WORLD'S FINEST

ELECTRONIC SURPLUS

64 ANNIVERSARY TH

1947 2011

CATALOG WS-11
MANY NEW ITEMS
CHECK EVERY PAGE!

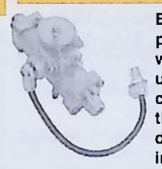
Sweep Generator

TRM-3 FM, AM, CW Sweep Generator/Display 15 - 400 Mhz in six bands, markers 0.2, 2, 5, 20Mhz, and 4 inch CRT display. RF output 0.1 uv to 0.1 volt into 50 ohms. FM sweep deviation 2 - 20% of center frequency. Power required 120 VAC. 17 x 17 x 13 inches. 120 lbs sh. #TRM-3, Used Reparable, $295.00

R-390A RF Amp Deck

R-390A RF Amplifier Deck, Includes front gear assembly, set of RF transformers with slugs and slug racks. LESS tubes, crystal oven and counter. 9x12x16, 18 lbs sh. #RF-R390A, Used, $125.00

Bird Coupler



Bird Coupler, This is the internal part of the Bird 43 directional wattmeter. Has been removed from unused equipment and includes a coax cable with a bnc connector that would connect to a meter. We do not have a suitable meter. Also included is a dummy slug to protect the coaxial line. We do not have any slugs. 5.3x2.8x2.1, 3 lbs sh., #BIRD-COUP, Unused, $89.00

Mallory Inducto Tuner

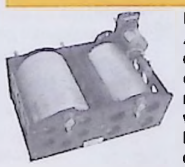
Mallory Inducto Tuners, no actual data, but I put a coil loop and 100pf capacitor across the coil and used a dip meter to determing the resonant frequency. All dipped in approx the 40 - 60 mhz range. Mallory made most of these for early VHF television sets that had variable tuning, no detents. Unused Sh Wt 3 lbs

4 section inducto tuner, 5.5 turns, 40-60mhz, 4.3 x 1.8 x 1.6, 0.5" long x 0.25" dia shaft. #545T001, $14.50

7.5 turns, 41-67 mhz, 7.1 x 2.25 x 2.1, 2.4" long x 0.25" dia shaft. #458U246, $16.50

5.5 turns 44 - 65 mhz 7.1 x 2.25 x 2.1 inches 2.4" long x 0.25" dia shaft. #456C452, $14.00

Ribbon Inductor

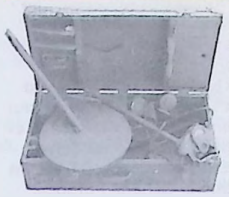


Ribbon Inductor from 180L3 Antenna Coupler, with motor drive; two 5.4"L x 3.4" diameter coils with 288" of drawn silver ribbon (0.125"W x 0.01" Th) wound between; approx 28 uh. Ribbon transferred from coil to coil by 28 VDC motor. P/O Collins 180L3 antenna tuner. O/A 9.3x5.8x5.8, 12 lbs sh. #L401-180L, Used, $49.50

1000pf Vacuum Cap

Vacuum Capacitor Assembly with UCSL-1000-3. 7-1000pf 3KV vacuum variable and 28VDC drive motor and gear assembly. Runs on 6 to 28VDC. 8x6.8x3, 8 lbs sh. #C501-CU991, Used, $165.00

Mine Detector



SCR-625 is the original portable mine detector from WWII. The SCR-625 discerned metallic mines 6 to 12 inches below the surface. Has a 6 foot long exploring rod. Has a pie shaped search coil, mounted under an 18 inch diameter wooden disk. Strapped to the operator's side in a canvas haversack are the dry-cell batteries that induced a magnetic field around the search plate and amplifier. Has a resonator attached to the operator's shoulder. Requires 135V and two D cells. (Not Supplied) 28x15.3x9.3, 55 lbs sh., Used, $225.00

Transformer Design Book

Transformer Design and Construction, Discusses two ways of winding transformers. First you get "Designing and Building Transformers" from1938 which covers power transformers for 25 to 133 cycles per second up to 1500 watts. This cookbook will show you with many tables and examples how to design and build a power transformer to do what you want. Do you need 2000 volts out at 3/4 amp to build a transmitter power supply? The tables will tell you how many turns of what size wire you'll need on both windings. The second discussion is 7 pages from 1922 on induction coils (ignition coils). You get basic theory, test characteristics, current waveforms, primary forms, secondary-type coils, design of windings and core, tables, insulation recommendations, interrupters used and more. You might be able scale up a coil and produce 36" sparks! VERY high voltage. Two useful transformer discussions. Get one for your library. 48 pages. #23853, $6.95

WW2 Switchboard

WW2 UC British 10 Line Switchboard. These vintage switchboards have generator and buzzer for signaling. With manual. 16.1x8.2x8, 38 lbs sh., #UC-10, Used fair condition, $175.00

Isolation Transformer

15-120V-300MA - 120VCT 300ma Secondary. 115VAC 60Hz Primary. 2.2x2.7x2.5, End Bell frame, 3 lbs sh. $19.00

HP-436

HP-436 Missing A8 power reference oscillator assembly and power reference output assembly. with option 022 HP-IB Programmable remote control. Otherwise is complete except for the thermistor mount. 11.1x8.1x5.2, 14 lbs sh., Used good condition, $75.00

ORDERING INFORMATION SEE PAGES 19 & 20

MINIMUM ORDER $10.00 + SHIPPING

Fair Radio Sales

2395 St. Johns RD • Lima, Ohio 45804
419-223-2196/227-6573 • 24 Hr. FAX 419-227-1313
WEBPAGE: www.fairradio.com EMAIL: fairradio@fairradio.com

This is the only catalog that will be sent this year.

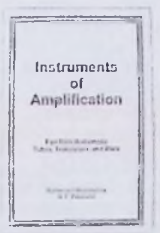
Machinery Drive

Low Voltage AC Machinery Drive, ABB ACS140 Series, The ACS140 takes advantage of a sophisticated microprocessor control and advanced IGBT power switching technology to deliver high performance control of AC motors for a wide range of industrial applications. Drive, AC, 1.5HP, 240V, 5.9A, CT 240Vin 3PH, Open. General Purpose. Pulse Width Modulated. 1 phase in & 3 Phase out. 240V, 480V. IP20 Enclosure (Open Vents). Compact DIN rail design. Modbus serial communications. Eight built-in application macros. Programmable I/O (5 digital in/1 analog out). Two analog inputs. Seven preset speeds. PID set-point controller. Remote mountable keypad (copy parameters to other drives). UL, cUL listed, CE marking. 8.6"Hx3.2"Wx6.7"D, 6 lbs sh., #ACS143-2K1-1-U, Excellent condition no warranty, $150.00

High Quality RG-8

50 ohm Low Loss RG-8, coaxial cable with braided shield. Can be used in any application where handling characteristics, improved shielding and low loss is required. Same size as RG8 and uses standard connectors. #RG-8, New, 10 / $11.90; 25 / $28.25; 50 / $53.50; 100 / $99.00

Amplification Book



Instruments of Amplification by Pete Friedrichs, Shows you how to make a microphonic relay amplifier which is really an earphone feeding a carbon microphone to achieve an increase in signal level. Also, shows you how to build a balance-beam amplifier which is sort of a more advanced model of the microphonic relay. You'll get details on experiments with spice jar glow tubes, a canning jar diode, a tennis ball triode made from a glass votive jar, and more. You get basic theory of triodes, semiconductors, details on Pete's surplus vacuum pump, details on solid state experiments by others, and much more. This is one of the most unique electronics experimentation books to come along in decades. This is tinkering, experimentation, and inventing at its best. 297 pages, #3112, $19.95

Klystron Power Supply

General Microwave Model 303 Klystron Power Supply. Beam voltage variable from -250 to -400 VDC at 30 - 50 ma. Reflector voltage variable from 0 -to -900 volts at 10ua. 6.3VAC 1.5 amps. Reflector voltage internally modulated at 1000hz square wave adjustable up to 110 Volts peak to peak. External modulation via front panel terminal, 100,000 ohm impedance. Sinusoidal powerline frequency variable from 0 - 350 v P-P for reflector modulation. Power required 115VAC 50/60hz. Size 11.5 x 13 x 7.5 inches. 25 lbs sh. Ops manual repro, no schematic. #GM-303, Unused, $99.50

"Munitions of War" Book

Munitions of War by Norton & Valentine, Written in 1867, this rare book appeared in 1868. Chapters include cartridges, breech-loading small arms, field ordnance, heavy ordnance, projectiles, army accoutrements, sanitary equipments, fortifications, and iron-clad ships. You get details on American cartridges, Needle gun cartridges (and others), the Spencer rifle, Albini, Braedlin, Sharp's, Chassepot rifle, the Electric gun and MANY others. Learn about Armstrong and Whitworth muzzle loaders, twelve-pounder field guns, Krupp's guns, Krupp's wrought-iron carriage, Dutch guns, Gatling Battery, Cannon-destroyer, the Mackay gun and more. You get a unique snapshot at armaments with technological and historical details not commonly found. Great woodcuts. This should be of value to historians, Civil War re-enactors, model builders, and techological. 286 pages. #23454, $14.95

Vintage Equipment

VINTAGE RADIO LINE ITEMS see our website for current stock. At time of printing we had these items in stock. All items are used not checked.

AN/PNH-4 MILITARY TAPE RECORDER Self contained portable 28 vdc 1/4 tape recorder $125.00
AN/URR-35 UHF RECEIVER $125.00
BC-223 WW2 transmitter less tubes poor w 2 tuning units $150.00
BC-342N Receiver $245.00
BC-348 WW2 Receiver less dynamotor $295.00
BC-375 w/tuning unit WW2 Transmitter $750.00
BC-603 Internally modified FM receiver $175.00
BC-610E less modulation transformer with some coils and tuning units $995.00
BC-620 WW2 Jeep Radio $375.00
BC-639 W/RA-42 VHF Receiver $150.00
BC-659 WW2 Jeep Radio $375.00
BC-683 Receiver $175.00
BC1162A signal corps US Army Heavy $99.00
BC-1335/DY-94 / mount Late WW2 Transceiver $599.
Bendix RTA-41D VHF transmitter $75.00
C-1123 GRC-1452 Control $75.00
C-6183/GR Antenna Control $95.00
CAY-47154 TCE Tuning unit $65.00
Collins 51Z-6 Marker Receiver $75.00
CV-89A/URA-8A Converter $125.00
GN-50 Generator $75.00
I-152A CRT Display $99.00
LM Frequency meter $75.00
LM frequency meter w/power supply no connectors$95
MC364D turntable amplifier $250.00
PP-86E/TXC-1 Power Supply $85.00
R-417/TRC Receiver no plug in $135.00
RAK-6 shortwave receiver $190.00
RCH Scott Receiver $250.00
RT-173/ARC-33 UHF Transceiver $75.00
SCR808 BC-923 BC-924 FT-237 Radio System $850.
TA-207/P Switchboard Signal Assy $95.00
TCS-9 Receiver $175.00
TCS-14 transmitter $175.00
Tracor 599 Tracking Receiver $395.00
Triplett Vibration Tester $125.00
TS-69 Frequency Meter $75.00
TS-836/UGM-1 RELAY TEST SET $45.00
Type 1 Aircraft Torpedo Camera $599.00
Wireless Set 19 MKII WW2 Transceiver $275.00

See page 6 for more Vintage Equipment

20 Amp 400Hz Variac

General Radio Variac 400HZ 120V 20 Amp Variable Transformer. Minimum 380HZ. Has 120V 400Hz gear motor drive and limit switches. Not for use on 60Hz power circuits. 7.5x8.1x9.6, 30 lbs sh., #M20-BB, Unused, $150.00

GOD IS JUST A PRAYER AWAY

Fair Radio buys your excess material. We may be interested in some items in low quantities, but prefer higher quantities for our catalog sales.

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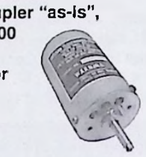
FOR ORDERING INFORMATION SEE PAGES 19

R-390A Parts & Assy

Maintenance Manual Reproduction for R-390A, $29.00
Operators Manual Reproduction for R-390A, $14.00

VFO from R-390A HF receiver with 5749 tube; various mfg (no choice). 4x3x7.5, 4 lbs, used dented less connectors & coupler "as-is", #VFO/R390A,$32.00



455KHz Beat Frequency Oscillator for famous HF Receiver R-390A. UNUSED CONDITION! 3.3x1.5, 2 lbs sh. #390A-BFO, $37.50

****

Replacement assemblies & parts for the R-390A:

AC Terminal Protective Cover, #390A-ACP,	$9.95
CRYSTAL OSCILLATOR (no crystals) #390A-CO,	$30
CRYSTAL OSCILLATOR (with crystals) #390A-CO,	$99
CRYSTAL, BAND, #390A-(crystal freq.)-CR,	$14
DIAL, COUNTER, #390A-DC,	$30
GEARS, #39, #390A-G-39; or #21, #390A-G-21,	$14
GEARS others less clamp,#390A-G-(specify#),	$4
GEAR CLAMPS, 1/4" only, #390A-GC,	$4
HANDLES per pair, #390A-HAND,	$21
KNOBS, small size, #390A-SM,	$7
KNOBS, medium size, #390A-MED,	$7
POWER SUPPLY without tubes, #390A-PS,	$45
TRANSFORMER, RF, #390A-RF- (specify #)	$14
TRANSFORMER, IF, #390A-IF- (specify #)	$16
SLUGS, IF Variable, (less cover) #390A-SL-IF,	$7

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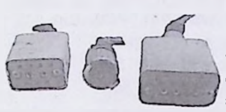


Test Connectors to make test extender cables for R-390A receiver. You receive the 5 male/female connector pairs with covers to make the following extender cables along with Instructions from manual: P110-J410(Crystal Osc), P111-J8111/P119-J619 (Power supply/Audio), P120-J620(Audio), P112-J512(IF Amplifier), P108-J208/P109-J709(RF Amplifier/VFO). #390A-CON, $79.95

****

R-390A Fuses, New,

0.1 amp (good replacement for 1/8 amp), #6FF0.1N, 5 for 2.50, 10 for $3.95
0.25 amp, #6FF0.25N, 5 for 2.50, 10 for $3.95
3.15 amp (good replacement for 3 amps), #6FF3.15N, 10 for $1.95

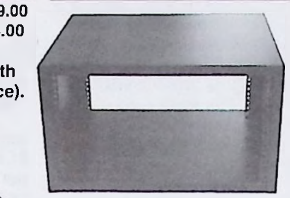
COVERS FOR R-390A, Hard to find aluminum replacement top and bottom covers for R-390A series. Very close to original.
Newly manufactured, #390-TB, $99.95
RF Cover, Newly manufactured, #390-RF, $35.00
Set: top, bottom, & RF; newly mfg, #390-S, $124.95

R-390A Connectors:

UG-573 Type "C" Male Unbalanced Silver Plated Connectorf/ R-390A. #UG-573, Unused cut-off,$7.50
Twin-Ax male, Amphenol, New, #82-5589-RFX, $11.50; 3 / $30.00
Mini-BNC p/o R-390A, #390A-MBNC, used, $4.00
As above but chassis, #390A-MBNC-CH, used, $4.00

Hard to find R-390A balanced input adapter. Goes from Twin-ax male to a UHF female. Unused, #UG-970, $46

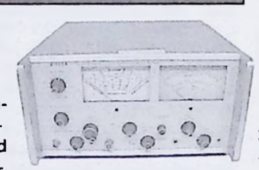
R-390A & 51J4 Cabinet



Standard 19" Rack Cabinet for R-390A, R-388, SP-600, etc... 16-gauge steel, Rails are fixed both front and rear, round hole punched for 10-32 clip-nuts to full EIA hole centers (5/8 - 5/8 - 1/2 inch spacing). Includes rubber feet, 2 lifting handles, a starter pack of 10-32 clip nuts & matching black screws. 10.5" Rack Height. Overall height 2" over panel height. 17" deep. Overall width is 21". Recommended maximum weight 600 pounds. Rugged powder paint finish. Hammond Mfg. 38 lbs sh. Drop shipped from NY. New, #RCBS1901017BK1, $167.89 each

Standard 19" Rack Cabinet for 51J4, R-388 etc.... It's the same rack cabinet as above except it is 13" deep. #RCBS1901013BK1, $124.28 each

RFI Receivers



Singer model #NM-17/27 is a programmable, precision electromagnetic interference/field intensity meter for the measurement of conducted or radiated RF interference, within the frequency range of 10KHz to 32 MHz. May be used as a VLF unit. The instrument may be used to analyze narrowband or broadband signals within its frequency range. Field intensity or direct peak detector functions may be used for measurements in addition to quasi-peak, slideback peak and BFO detection modes. AM, FM and PM signals may be detected and are available at the video output receptacle for oscilloscope display. Requires 115/230V at 50 to 400Hz. 18.5x16.7x8.7, 55 lbs sh. #NM-17/27, Used reparable with manual repro, $595

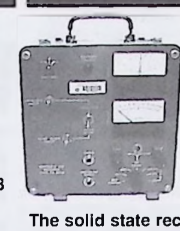
#NM-26T Stoddart type, EMI Rcvr, 150KHz-32MHz, $595

FAIRCHILD ELECTRO-METRICS R-70A RFI RECEIVER uses 8 tuning heads covering 0.5 to 1100 MHz; with two cases, #R-70A, $795.00

Selective Level Meter

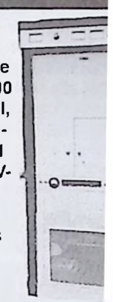
Rycom 6041 Selective Level Meter / VLF Receiver makes measurements of both level and frequency on frequency division multiplex (FDM) equipment baseband signals. Although its primary application was intended to be on high-density long-haul microwave systems, the 6041 SLM may be employed on any communications equipment requiring selective/wide band level or frequency measurements. Frequency range for Wide Band Level Meter and Frequency Counter: 50 and 75 ohm - 300Hz to 3.5MHz; 124, 135, 150 ohm - 4KHz to 2.0MHz; 600 ohm - 300Hz to 100KHz. Requires 115VAC 60Hz or Battery. Battery holds a charge for the short term but is sold As-Is. 10.1x12.2x8, 24 lbs sh.
#RYCOM-6041, Used Operational, $595.00

ILS Receiver



FA-8766 PORTABLE ILS TE RECEIVER, covers 108.1 to 111.9 (5uv sens) and 329.3 t 335.0 (25 uv) Mhz with sepa crystal controlled front end feeding a common 60 mhz I through a combiner and the converted to a 3 Mhz secon The RF and IF sections are cast metal shielded assemb The solid state receiver has audio and AGC de tors. The audio circuits have 90 and 150 hz ba pass filters, the audio is rectified and the outp used to drive the DC meters. This unit is a go basis for modification and experimentation. P input 120 vac or 18 vdc. Receiver has nicad b tery/charger circuit. No warranty as to service ty of battery. See our web page for more pictu 10.1x9.5x12, 23 lbs sh. Crystals not included. schematic/info. #FA-8766, Used $39.50; 4 for $

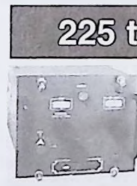
COLLINS 208U-3A



208U-3A POWER AMP automatically tunable over 2 to 30 Mhz SSB-AM-CW @ 3 KW PEP for use with URG-2 radios. Uses 4CX5000 PA tube; tune time 6 sec nominal, 10 sec max. With modules 333H-2 Electronic Control Amp, 309F-1 Digital to Analog Converter, 915V-2 Amp Control, 652J-13 Power Supply, 599Z-1 Test Panel and 915X-1 Control Monitor. Includes manual copies for all components except 915X-1 & 599Z-1. 72.5x32.6x31; 1200 lbs sh.

#208U-3A, Used not tested less 4CX5000, $37

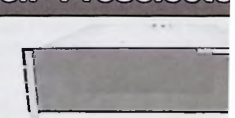
225 to 400 MHZ Amp



AM-914/TRC AMPLIFIER-CO VERTER, plug-in for R-417 re er in 225-400 MHz range. Continuous tuning of RF and oscillator; 30 MHz IF. Modif use as down-converter ! Wi tubes 5670, 4/6J4. Requires 150 VDC & 6.3 V 7.5x6.5x9.5; 15 lbs sh. #AM-914, Used, $46.

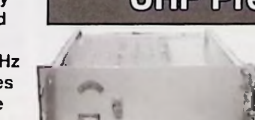
#AM-1179/GRC, 50 to 100 MHz, used, $52.00
#AM-1177/TRC, 400 to 600 MHz, used, $57.0
#AM-3203A/TRC, 1.35 to 1.9875 GHz, used, $

Rockwell Preselecto



HF-8064 4-CHANNEL HF PRESELECTOR, auto-tuned bandpass filter for HF-8054 receiver & HF-8014. Provides front-end selec & overload protection for Rx; improves cros modulation & out-of-band intermod. Power: 100/115/215/230 V 47-63 Hz. 5.3x19x24, 32 lb
#622-3522-203, used, $595.00

UHF Preselector



F-1506/G UHF Tuna Band Pass Filter / Preselector coverin 225-400 MHz dial tu Consists of Lark E FX4000-089 filter w conn in rackmount package. 5x19x18, 25 lbs
#F-1506, Used, $99.50

VISIT OUR WEBSITE AT FAIRRADIO.COM

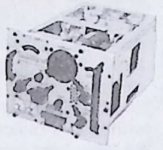
AM-6154 Amplifier

AM-6154/GRT-21 Power Amplifier conservatively rated for 50 watt output from 10 watt exciter input over 116-150 MHz; uses Elmac X651Z/8930 or Amperex DX393 tetrode (no choice) in silver-plated cavity-drawer; 175-turn TUNE counter dial. Main chassis has solid-state power supply and buffer amp/multiplier; panel meter monitors voltages. Requires 105/120/210/240VAC 50-400Hz and +20 volt reg 60ma, +20 volt keyed; w/ schematic info. 7x19x18.5, 80 lbs sh. Used Reparable, #AM-6154,$450

Bias Supply from AM-6154 or AM-6155 amplifier. 7.1x5x4, 7 lbs sh. #BS-6155, Used, $40.00

AC - AC Inverter from AM-6154 or AM-6155, 7.1x5x4, 7 lbs sh. #INV-6155, $46.00

602-999 MHz Amp



AM-1957 AMPLIFIER-OSCILLATOR, 601.5 to 999.5 MHz plug-in for T-893/GRC-50 transmitter. Utilizes three 7289 tubes as 651-1049.5 MHz oscillator, -50 MHz mixer and 15 watt power amp. Directional coupler detects Reflected Power and provides monitor output for external meter circuit. RF passes through duplexer having identical receive/transmit sections each with two cavities. (Receive signal routed to separate AM-1955 receiver module.) Transmit RF then moves to second directional coupler which detects Reflected Power also with output for external meter. Wavemeter samples output RF for frequency measurement using calibration chart. Cathode current of each 7289 regulated by external 250 VDC, 650 VDC, 800 VDC, 5.7 VAC, 5.5 VAC. Schematic and info included. 8.9x11x16, 36 lbs shipping. #AM-1957, Used, $79.50

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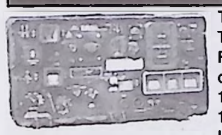
AM-1955A/GRC AMPLIFER CONVERTER used with R-1148A/GRC-50 receiver for 600-1000 MHz band; 60 MHz IF. Uses 4037A/2C40A tube as oscillator; also 5654, 2/5842. W/ wavemeter & calibrate book. Requires 150 VDC, 6.3 V. 15x9.5x8, 30 lbs sh. #AM-1955A, $35.00

T-195 Transmitter



T-195/GRC-19 TRANSMITTER 1.5-20 Mhz AM-CW-FSK in ten bands manual or auto tune. Power output 100 W (1.5-12), 90 W (12-16), 80 W (16-20 MHz). Uses two 4X150D tubes in power amp & 20 other tubes. Requires 22-30 VDC 42 amps input (9 amps "standby") for dynamotor supply. LESS METERS. With replacement knobs. Companion to R-392 receiver. 11.5x22x14.5, 135 lbs. #T-195, Used Reparable,$320

MANUAL for T-195, partial repro, #MM-T-195, $58.00

Power Connector, #CONN-T-195, $23.00

Spare Air Filter for T-195, #MK-312, $14.00

MD-203 FSK Modulator

MD-203/GR Radio Transmitter Modulator for the T-195/GRC-19 Transmitter. The MD-203 is a link in a complete radio teletypewriter comm. system. The teletypewriter signals developed in Teletypewriter TT-98 are supplied through Junction Box J-668 to the MD-203. The MD-203 is connected to the exciter section of the T-195 to produce shifts in the CW signal. Uses tubes 7/26A6, 1/26A7. Less knobs. 9.1x13.8x7.3, 26 lbs sh. #MD-203, $33.00

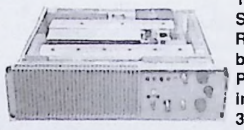
GRT-21/22 Transmitter

T-1109 Transmitter from AN/GRT-22 Radio Set. Frequency coverage is 225-400 MHz AM in 3500 channels. The crystal controlled transmitter has 10 watts output. Associated amplifier is the 50 watt output AM-6155. Requires 120/240 VAC. 18x19x5.3, 50 lbs sh., #T-1109, Used, $69.50

T-1108/GRT-21 Transmitter same as above except 116-150 MHz in 680 channels. Associated amp is AM-6154. #T-1108, Used, $69.75

Schematic Pack f/ T-1108/T-1109, #SCH-T-1108,$21.

RF Amp / Preselector

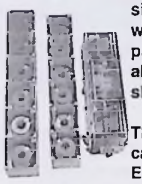


TN-612/G Prepost Selector, consists of RF preselector and broadband power amp. Pre-selector operates in four bands 1.8-3.6, 3.6-7, 7-14, and 10-24 Mhz. Microprocessor-controlled unit has no front panel controls except ON-OFF and indicators for OVDE, OVL, ATT, BITE, TUNE plus silver-plated coils and 3-gang variable capacitor. Frequency is selected by twelve Kilovac HC-1 vacuum relays and nine mini-coax relays along with motor interface adapters. Relays actuated by driver transistors. RF power amp uses four transistors S15-28, T9-0664 and two MRF-466 as output amplifiers. P/o GRC-215 HF-SSB; no further info. Requires 115/230 VAC 50-60 Hz; 4.5x19x17, 46 lbs sh. #TN-612, Unused, $345.

Broad Band Power Amplifier Assembly covering 1.6 - 24 MHz removed from the TN-612 pre-post selector. Uses S15-28, T9-0664 and 2/MRF-466 transistors. 24 VDC. No further info at this time. 2.3x17.3x4.5, 9 lbs sh. #AMP-612, $92.00

Coils and Variable Capacitor removed from the TN-612 Preselector.

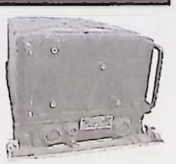
Two silver plated coil boxes each with six coils. The preselector was supposed to cover 2 to 30 mhz in 4 bands. 3 coils for each band. Each coil silver plated wire on epoxy from with ferrite slug is in its own compartment with a glass piston variable capacitor. 13.1x2.2x3.3, 7 lbs sh. #612-COILS, $58.00



Three section fully shielded variable capacitor 35 - 300 pf per section. Each section is shielded from the others. The insulation material looks like ceramic. Very high quality. 10x2.7x3, 6 lbs sh. #612-CAP, $40

Both Coils and the Variable Capacitor as listed above. #612-KIT, $87.00

ARC-51BX UHF Tx-Rx



RT-742/ARC-51BX UHF Aircraft Transceiver, 225-399.99 MHz AM in 3500 available channels, 50 KHz spacing; also has guard channel. Output 16 watts min. RF impedance 52 ohm input & output. Audio and mic impedance 150 ohms. Doesn't include ID-1003 SWR indicator; separate control box necessary for function & freq-selection. W/ tubes 4/ 7077 and 4/ 7544; requires 27 VDC 13 amps. 7x9.5x15.1; 35 lbs. #RT-742, Used, $225.00

FAA Radios

TRX-103 UHF Solid State channel, crystal controlle Transceiver type FA-9606 ering the military aviatior 400MHz band. Has built speaker. 50KHz channel ing. Transmitter ouput is watt. Antenna impedance 50 ohms. Receiver I 21.4MHz. Requires 115VAC 60Hz or 24VDC. C not included. Condition of internal battery AS- 14.1X14.2X7.7, 43 lbs sh. Manual repro include #TRX-103, Used Reparable, $139.50

TRX-102 VHF AM Transceiver type FA-8979 is s to above except covers 118-136MHz and requir 120VAC 60Hz or 12VDC. Crystals not included Condition of internal battery AS-IS. 13.8x13.8x lbs sh. Manual repro included. #FA-8979, Used Reparable, $149.50

It is unlawful to operate on these frequer unless you have a license to do so.

Receiver Exciter

R-761/ARC-58 Receiver covers 2 to29.999MHz, companion receiver and exciter to T-730. Req. 115 VAC 400 Hz input. 7.8x10.3 x23.5, 55 lb. #R-761, used, $225.00

SCHEMATIC, #SCH-R-761, $14.00

Control for freq-select; 6 lbs. #C-3141, Used, S

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MODULES from AN/ARC-58 or radio sets. Each 4.8x4.5 x1.5, 2 USED-not tested:

AMPLIFIER DETECTOR, 4x 5 tubes; p/o R-761, #AM-1523,

ELECTRONIC CONTROL AMPLIFIER p/o T605/T-730 xmitter, #AM-1525, $23.00

Similar to AM-1523, #AM-1526, $29.00

AMPLIFIER-MIXER for R-761 with ten tubes an rack, #AM-1528, $52; Schematic, #SCH-AM-

AMPLIFIER OSCILLATOR with Collins mechanical filter P455 Z1, #AM-1529, $40.00

243 MHz Receive

Transistorized Guard Receiver from modified RT-178/ARC-27 (5821-953-9695) UHF transceiver. One channel in 238 - 248 mhz range. IF's 25.1/3.48 Mhz. Has detector, noise limiter, AVC. 4/2N1745 transistors and 25.1 mhz filter. 8 x 4.5 x 4, 6 lbs sh. No Schematic. #ARC-27, used, $19.99

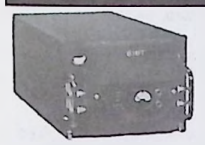
Microwave Transmi

AML-STX-141 Single Channel Microwave Transmitter 12.7 to 1 Ghz operation, 5 Wa put. Manufactured b Hughes. A VHF inpu 450 mhz single sideband suppressed carrier i upconverted to the output frequency. This ur sists of a solid state source, Frequency Sour 800XEL-06 or equal, various waveguide band ters and other components. Removed from s W/ info. With interconnect cable and power s 20.3x19x10.2, 47 lbs sh., #AML-STX-141, Usec Reparable, $129.00

Hughes AML Klystron Power Supply, Power input 95 - 130 VAC, Output -2200 VDC 130 ma and 6.3 vdc 1.3 amp curre ed and adjustable. Meter monitors output vc current. 16 x 19 x 5.25, 37 lbs sh. with info supply only, #PS-141, $50.00

CALL US AT 419-223-2196 or 227-6573 24 HOUR FAX 419-227-13

Collins 618T



COLLINS 618T-2 SSB AIRBORNE TRANSCEIVER, 2-29.999 Mhz SSB-AM-CW in 28000 channels. Power output: 400 watts SSB-PEP 125 W AM-CW; 52 ohm output imped. Sensitivity SSB: 1 uv for 10 db S+N/N. Selectivity SSB: 2.85 Khz, 6 db down; 6.0 Khz 60 db. Audio input: 600 ohms. Uses two 4CX250's in P-A. Switch & meter monitor internal power. Separate control necessary for channel select. Racks & cables not available. Requires 115 V 400 Hz 3 phase 1 KVA & 1 phase 160 VA; also +27 VDC 4.5 amps. W/ manual repro; 7.6x10x22.2, 58 lbs. #618T-2, Used reparable with K9 osc, $635.00

Like above but requires 28 VDC 35 A and 115 V 400 Hz 1 phase 100 VA. #618T-3, Used, $800.00

MODULES FROM COLLINS 618T HF TRANSCEIVER, as removed from equipment–not tested:

AM AUDIO AMP has mech filter F500 Y60 (526 9378); 2 lbs sh. #546-6053, $52.00

IF TRANSLATOR has LSB-USB filters F500 Z4 (526 9377) & Z5 (526 9376), Mech. filter as used in PRC-47 to modify for LSB operation, #544-9286, $115.00

KC- FREQUENCY STABILIZER, has mechanical filter F250 F100 (526 9410) and crystal filter X250KF440 (526 7006); 3 lbs. #618-KC-FRQ, $46.

RF TRANSLATOR with K9 oscillator, 15 lbs. #618-RF-TR, $230.00

618T RF Reference Osc. Module, includes 3 MHz crystal oven which is divided to 500 KHz output, amplified and then divided again to produce 100 KHz output. 4.3x6x2.7, 2 lbs #528-0251-005, used, $28.00

COLLINS 490T-1A (CU-1669A) AUTOMATIC ANTENNA COUPLER for 618T and similar 2-30 MHz transceivers; rated RF input 630 W PEP, 200 W average. Matches 25 ft or longer whip or 25-100 ft long-wire antenna to 50 ohm line. Terminal for wire and "C" coax connection. Has 5-500 pf 10 KV vacuum variable capacitor and variable step-coil. Requires 115 V 400 Hz; 7.6x 10.1x12.6, 24 lbs. #490T-1A, Used not tested, $575.

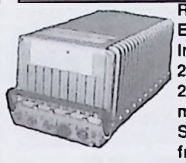
Collins 618T URM-157 Test Set, The radio set control is included with the TS-1949. Has meter to indicate forward / reflected power 200/2000 watts. Also provides connections for microphone, headset, audio in, and key. Power input connector also provided. Connections for 516H-1, antenna coupler, DC in, AC out are on the test set. The cable going from the 618T to the TS-1949 is not available. No cables are included. 34 lb. #TS-1949-U, Used $225

See our website for cables for the URM-157

FM Transceiver

MAGNAVOX FM-622 (RT823/ ARC-131) Airborne Transceiver, covers 30-76 Mhz FM in 920 channels, 50 Khz steps. Output 1 watt in LO; 18 W max HI @ 29 VDC RT has Squelch Disable & Adjust, Test switch. Meter monitors +24 V- +16 V-AGC-RF FWD- RF REFL- OFF. Control box provides channel select, Volume, Squelch, OFF-TR-RE-TRAN HOME switch. Has some modules common to RT-524/VRC-12. Requires 24-29 VDC 4 amp max. Rack & cables are N/A. 7.8x5.9x15.6, 31 lb #FM-622, Used w/control box, $295.00

ARC-105 HF Radio



RT-712/ARC-105 HF TRANSCEIVER, pressurized 618T2; modules interchangeable. Covers 2 to 29.999 MHz SSB-AM-CW in 28000 channels. Front has hour meter, C and BNC connections. Separate control needed for freq-selection. Connectors not available; Requires 115VAC 400Hz 3 Phase. 10.5x 11.5x23, 70 lbs. #RT-712, Used, $350.00

500 KHZ IF AUDIO AMPLIFIER, IF and Audio Module from Collins transceiver. Four stage 500Khz IF amplifier w/6 khz collins filter, AGC Detector, Low level audio amplifier. Also has 3 transistor microphone amplifier as part of its function in the transceiver. Power req. IF amp 18 VDC, Mic amp 24 VDC. w/schematic, info, power connector. #105-AA, $44.00

Precision RF Oscillator Module produces 500 Khz and 100 Khz reference signals from a temperature compensated 3 Mhz crystal oscillator. Requirements were 3 Mhz +/- 2 hz, 500 Khz +/- 0.4 hz, 100 Khz +/- 0.4 hz. Operates from 18 VDC. w/schematic, info, power connector. #105-OSC, $40

IF TRANSLATOR MODULE FROM COLLINS ARC-105, pressurized version of 618T HF TRANSCEIVER, IF TRANSLATOR module has LSB-USB filters F500 Z4 (526 9377) & Z5 (526 9376). This unit provides the mechanical filter used in the conversion of the PRC-47 transceiver to allow LSB operation. Removed from equipment not tested. 4.3x2.9x4.7, 4 lbs sh. #105-IF, $80.00

From ARC-105 115V 400Hz 3 Phase Power Supply Module produced 1500 VDC for 400 Watt PEP transceiver using 2/7204 tubes, and 250 VDC 70 ma. 10.3x4.3x4.8, 13 lbs sh. #105-PS400, $35.00

HF Power Amplifier from ARC-105, 400 W PEP 125 W AM 2- 30 mhz in 8 bands. Module has two 7204 tubes and associated output tuning circuitry. Band selection is controlled by 28 vdc motor. The grid tuning circuitry is NOT part of this module. Output inductor is tuned with 115 v 400 Hz motor. Requirements 1500 VDC, 28 VDC, 27 VAC filament, 115V 400 Hz. #PA-105, $99.50

ARC-109 Transceiver

RT-749/ARC-109 UHF AIRCRAFT TRANSCEIVER, solid-state Collins unit operates on 225-399.95 MHz AM, DSB and A3 phone @ 30 watt min. 3500 available channels in 50 KHz intervals plus 243 MHz guard channel. Uses 4631 tube in P-A; 150 ohm audio/ mic impedance. C-6364 control necessary for channel select; cables & racks not available. Replaced ARC-27-34-51-52. Requires 115 V 400 Hz 3 phase. 6.8x9x16, 29 lbs. #RT-749, Used reparable, $295.00

SCHEMATICS f/RT-749, repro, #SCH-RT-749, $18.00

CONTROL, used, #C-6364, $63.00 w/set purchase.

Transponder

BC-645 (part of ABA-1 set) Airborne Interrogator Transponder covering 460 to 490MHz. 15 tubes. Part of SCR-515. Receiver IF is 40 MHz. Transmitter is a tuned-line oscillator which operates on either of 2 pre-adjusted frequencies in the range 435 to 500 MHz. Powered by PE-101 (Not Available) from either 12 or 24 volts. 13.5x10.5x4.8, 20 lbs sh. #BC-645, Unused, $92.00

Manual Repro for ABA-1, #MM-ABA-1, $35.00

Collins VHF Tx-Rx Set

AN/ARC-73 AIRCRAFT RADIO SET designed by Collins; consists of T-879 (17L-7A) transmitter, R-1123A (51X2B) receiver, C-4074 (614U) control and MT-2699 rack. T-879 covers 116 to 149.95 MHz AM in 50 KHz steps (680 channels) with 25 watt output to 133.95 MHz and 20 W min. above. Sidetone level 100 MW into 500 ohms; mic impedance 100 ohms. R-1123A covers 108 to 151.95 MHz in 50 KHz steps (720 channels). Sensitivity 3 uv; audio output 500 ohms. Both have antenna input impedance of 52 ohms and require 27 VDC (7.3 amp max transmit) power. Both utilize tubes and transistors. C-4074 control sets frequency on mechanical counter and has Volume, Squelch, and On-Off functions. Mating connector not available. Less MT-2699 mount. Operator's manual and schematics included; 9.5x8.5x16, 40 lbs. #ARC-73, used, $159.50

TRANSMITTER only; 20 lbs #T-879, Used, $79.50

RECEIVER only; 19 lbs sh. #R-1123A, Used, $85.00

CONTROL BOX for frequency select, volume control, etc; w/ set purchase. #C-4074, Used, $30.00

ARC-54 Transceiver

RT-348/ARC-54 VHF Aircraft Radio Set, FM unit covers 30-69.95MHz in 800 channels with 50Hz spacing, 10W, X-mode capable, 27.5VDC at 7 Amps, Mfg by Collins. 15x5x7.7, 25 lbs sh. #RT-348, Used, $159.50

ARC-44 Radio Set

AN/ARC-44 Radio set, 24-51.9 MHz, 280 channels, FM, 6-8 watts. Provides FM comm for aircraft and for the attachment of a homing device. 14.2x7.2x5.2, 18 lbs sh. #ARC-44, Used, $75.00

VHF Aircraft Receiver

51RV-1 VOR/ILS Collins VHF Aircraft Receiver. Receives VOR, localizer, and glideslope signals and convert the information received to operate deviation, flag, and to-from indicators. 16x7.7x5, 24 lbs sh., #51RV-1, Used, $129.50

Manual repro for 51RV-1, #MM-51RV-1, $35.00

PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

SCR-508 Radios

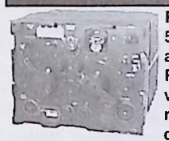
BC-603 / SCR-508 superheterodine FM receiver covers 20 to 27.9MHz. The receiver can deliver an output of approximately 2 watts to its self contained speaker or about 200 milliwatts to its headset circuits. The front panel contains 10 push buttons by means of which any one of 10 preadjusted receiving channels may be selected. IF (nominal) 2.65MHZ. Bandwidth 80KHz. Comes with 12VDC dynamotor. 6.8x12.5x11.5, 40 lbs #BC-603, Used not tested, $175.

BC-604 FM Transmitter covers 20-28 MHz, and delivers a carrier power to the antenna of approximately 30 watts. 10 crystal channels. 8 tubes. Comes with 12VDC dynamotor. 10.3x18x11.5, 73 lbs sh. Used not tested. Not sold seperate.

FT-237 Mount will hold one BC-604 and up to two BC-603 receivers. 54 lbs sh. Used. Not sold seperate.

One each of B-603, BC604, and FT237, #508-SYS,$980

GRC/VRC Equipment



RT-68/GRC TRANSCEIVER, 38-54.9 MHz FM continuously tunable or 100 KHz-step channels. Receives and transmits both voice and 1600 Hz ringing FM; range 10-15 miles. Receiver circuit has variable 1st IF 4.45-5.45 MHz and fixed 1.4 MHz 2nd IF; also squelch and 600 ohm audio output. Transmitter uses crystal-controlled oscillator and oscillator power amp; power output 2 watts (LO) or 15 W (HI). Also meter to monitor xmiter filaments and 90 V input. Requires PP-109 or -112 power supply. Tubes 4/1U4, 2E24, 2/1A3, 2/1L4, 4/1R5, 2/1AE4, 1S5, 4/3Q4, 3A4, 3/3A5, 2/3B4, 6AK5. 9x13x11.3, 42 lbs sh. #RT-68, USED, $150.00
TRANSCEIVER, 20-28MHz, #RT-66, USED, $115.00

PP-112/GRC 24 VDC SUPPLY for RT-66-67-68 transceivers; provides all voltages from 24 VDC 6.5 amp input. Case may have casting chip(s); 7.3x9 x13, 39 lbs sh. #PP-112, USED, $37.00

#CX-1211 INTERCONNECT CABLE, RT: PP units, $17

R-108/GRC RECEIVER , 20 to 28 MHz-FM continuously tunable with variable squelch; 4.3 MHz I.F. Audio output: 600 ohms. RF input: 50 ohms. With tubes 3/1U4, 2/1L4,1A3, 2/3A4, 1S5, 2/3Q4, 2/6AK5 & 0B2. Requires 135 VDC @ 70 MA. and 6.3 VDC 2 amps. 7.5x9x132; 32 lbs sh. #R-108, Gov't-Reconditioned, $75

Same as R-108 except 27-39 MHz. #R-109, Used,$69.50

R-442/VRC Receiver

R-442/VRC RECEIVER 30-75.95MHZ FM RECEIVER. 920 50 KHZ CHANNELS. Has noise and tone operated squelch. Normally used with antenna system AB-15, MS 116, 117, 118. Power connections through MT-1898 mount and DC power cable, CX-4720 which are included. 13.5, x 5.8 x 8.9, 31 lb sh. #R-442, Used Reparable $345.00

PRC-41 Manpack

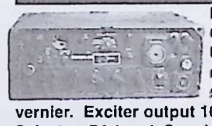
RT-695/PRC-41 UHF MANPACK UHF TRANSCEIVER, 225 to 400 MHz AM in 100 KHz steps counter; output at least 3 watts over range. Also has guard channel, Volume, Squelch, and U-77 connection for H-33 handset. Solid-state except for tubes 6442, 4/7077, and 4/7544. Requires 24 VDC 3 amps; 14x11.3x4.5, 22 lb.
Used Checked, #RT-695-CH, $400.00
Manual for PRC-41, partial repro, #MM-PRC-41, $27
HANDSET, #H-33, used-checked, $35.00
VEHICLE MOUNT for PP-3700, 4lb., #MT-2977, $13

Vintage Equipment !!!

VINTAGE RADIO LINE ITEMS see our website for current stock. At time of printing we had these items in stock. All items are used not checked.

AM-65 unused w/book $125.00
ARC-1 VHF Transceiver $115.00
ARC-131 TEST SET $375.00
BC-306 WW2 Tuner p/o BC375 $115.00
BC-788 Altimeter $95.00
BC-906 Wavemeter $75.00
C-845 VRC control/speaker AC supply $150.00
C-847 Speaker Control used $35.00
C-847 Speaker Control NOS $55.00
COLLINS 51M-2 RECEIVER $45.00
Control Panel from Gas Generator no ID $145.00
CV-305/U FREQUENCY SHIFT CONVERTER $75.00
CV-2353 VLF Converter $45.00
F-237 Bandpass Filter $65.00
ME-51/AP POWER METER $35.00
OA-1378/GRC TRC-27 ANTENNA SET $195.00
PP-4514 PRC-74 POWER SUPPLY $175.00
R-5/ARN-7 Compass Receiver $150.00
R-1170/ARR-52 Sonobuoy Receiver $65.00
RA-62 Power Supply poor $75.00
RT-7 APN-1 Altimeter $125.00
RT-70 unused w/book $150.00
T-23/ARC-5 VHF Transmitter $85.00
TG-34A Code tape player $50.00
TS-62 Echo Box $75.00
TS-164 Cabinet $35.00
TS-250/APN Test Set $75.00

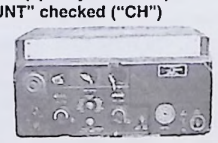
USB Receiver-Exciter



RT-662/GRC-106 TRANSCEIVER, 2 to 29.999 Mhz USB-AM-CW-FSK; tunes using 5-decade mechanical switches to 1 KHz steps + vernier. Exciter output 100 MW. Controls: Service Selector, PA Load, Squelch, Noise Blanker, BFO and audio functions. LESS Signal Level meter. Requires 24 VDC 10 amp; 7x18x13, 56 lb sh. #RT-662-UR, Used Repar. not tested/LESS meter, $345
#RT-662-CH, "Checked" w/ meter (not original), $575

RT-834/GRC-106A, similar to RT-662 above but 2-29.9999 MHz, 0.1 KHz increments. Used:
#RT-834-UR, Reparable no meter, $400.00
#RT-834-CH, Checked with sub meter, $635.00

GRC-106 MODULES for RT-662 and RT-834, most modules available except 1A3 Freq-Standard removed from "used" radios. 2 lbs sh.
Price: UNTESTED, $25 ea. Add $25 per module for "CHECKED" modules. #MOD-(specify module #)-(specify RT #)- (untested "UNT" checked ("CH")



AM-3349/GRC-106 POWER AMP for RT-662/834; amplifies 100 MW RT output to 200 W AM or 400 W PEP. Uses two 4CX350FJ tubes. Requires 28 VDC 1 KW max; 77 lbs sh. #AM-3349-UR, Used Reparable w/ original meters,$995
#AM-3349-AI, Used As-Is, less meters, $450.00

Manual, partial repro GRC-106/106A, #MM-GRC-106,$75
Operator's Manual, GRC-106/106A, #OM-GRC-106, $18
HANDSET, #H-33, used-checked, $35.00
MIC, #M-29B, used, $17. Headset, #H-227, $25.00
MOUNT & SIDE PLATES, 25 lb. #MT-3140, Used, $46.
INTERCONNECT CABLE, #CX-10099, used, $27.00
ANTENNA CABLE, 4 lbs. #CX-10171, Used, $29.00

Test Panel

Test Panel for Wilcox 807 VHF transceiver with control box 97733-100, ITT Cannon connector for rear of Wilcox 807, test points for the following: Data Link input, O dbm input, mike input, data link output, receiver output, sidetone output, detector meter, detector input, scope output. Mike, sidetone, and receiver audio jacks. External squelch; on/off, control, disable. Audio on/off. PTT disable. Less housing. Overall dim., 15.8x22.2x8.8, 32 lbs sh. #807-TP, Used, $125.00

Control box for Wilcox 807. #97733-100, $69.50

PRC-47 Accessories

MANUAL for PRC-47, partial repro, #MM-PRC-47, $35
LONG-WIRE ANTENNA, 3 lbs., #AS-1321, $29.00
HANDSET, #H-33, used-checked, $35.00
"Y" CABLE for H-233 to RT, #CX-8396, $14.00

Battery Cable, #CX-8395, $16.00
BACKPACK FRAME only w/ harness, #PRC-47-BF $18.00
ALUMINUM TRANSIT CASE, 65 lb #CY-3700, $65.00

MODULES from PRC-47 transceiver. Used not tested:

AUDIO AMP has mic, sidetone, vox & compressor circuits of TX; AGC & audio for Rx. Requires 20 & 24 VDC. 4.3x4.3x2.8, 2 lbs. #AM-3506, $20.00

CONTROL OSCILLATOR, 3 lbs. #C-4311, $35.00

SIGNAL DATA TRANSLATOR with tubes 5907, 7761, 7905; 5 lbs sh. #CV-1377, $53.00

RF OSCILLATOR contains 3 MHz crystal in oven; produces 500 and 100 KHz outputs. Requires 20 VDC; 4.3x4.5x1.3, 1 lb sh. #O-1032, $27.00

POWER SUPPLY, 16 lbs sh., #PP-3518, $35

SEM-52 Radio

SEM-52 Radio, German-made unit can operate on six preset channels (2 supplied) in 47-56.975MHz FM range @ 300 mw: 25KHz spacing. Has Off-On Squelch (AUS-EIN-RSP), Volume & Channel (KANAL) select. Requires six AA batteries (not included). Includes RT, 35" ribbon antenna with flex base and carrying bag. Also, comes with an adapter cable allowing use with H-250 handset (handset sold seperately). May not comply with FCC regulations. 7.1"Hx3.4"W.1.5"D. 4 lbs sh. #SEM-52, Used checked, $145
#H-250-U (or =) Handset Used with broken clip, $46.

PRC-6 Handheld

RT-196/PRC-6 FM TRANSCEIVER, Israeli 1950's vintage single-channel crystal-controlled in 47 to 55.4 MHz range. Output good to about 1 mile depending on terrain and weather conditions. Handheld unit has push-to-talk switch, Volume Control, ribbon antenna, carrying strap and connection for H-33 handset. Uses CR-23 crystal (not included). With tubes 6/ 5678, 3B4, 3/5672, 2/5676 and 2G21. Requires 1.5, 45 and 90 VDC usually supplied by BA-270 battery (not available). 15x5x4.5, 6 lbs, #PRC-6, Used, $140.00

Original Manual for PRC-6, #MM-PRC-6, $14.00

Crystals for PRC-6, #PRC-6-CR-(freq.),
51.0 to 54.0MHz Radio Frequency, $26.00 ea
All others frequencies are $14.00 ea

See website for many other PRC-6 parts!!

PRC-75 Radio

Specify 1st, 2nd and 3rd choices of desired frequency.
RT-976A/PRC-75 UHF TRANSCEIVER, rugged handheld ground-to-air tactical synthesized radio covers 225 to 399.95 MHz AM-CW in 50 KHz steps (3500 channels). Power output >1 watt. Has three thumb operated dials to set frequency; design frequency accuracy 1 part / 100000. Also has 1000 Hz audio beacon-DF tone. RF input 50 ohms; audio output 600 ohms. Requires 18-30 VDC from battery pack (not supplied); no accessories; 1.6x4.3 x8, 6 lbs. Looks nice, complete but not working. #RT-976A, Not reparable "As-Is, $99.50

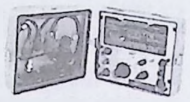
Antenna Adapter, allows for BNC coax antenna connection. #UG-1884, Unused, $15.00

EMAIL US YOUR INQUIRIES AT FAIRRADIO@FAIRRADIO.COM

PRC-77 Backpack Radio

RT-841/PRC-77 TRANSISTORIZED BACKPACK TRANSCEIVER, 30-75.95 MHz FM in bands 30-52.95 MHz (Lo) and 53-75.95 MHz (Hi) with 50 KHz spacing. Output: 1.1 to 2.0 watts; 150 Hz squelch. Transistorized except 2DF4 tube in power amp. Requires 3 VDC 400 ma and 15VDC 1.4 amp supplied by BA-4386 battery. RT-505B has modified A25 audio module for broadband use with C-7673/PCC-1 and CU-2194 diplexer. 4x11x14, 19 lbs sh.
RT-841/PRC-77, Similar to above, #RT-841, $720.00

Manual for PRC-25, partial repro. #MM-PRC-25, $27.00
Manual for PRC-77, partial repro. #MM-PRC-77, $27.00
Backpack Harness. #ST-138, Used Excellent, $46.00
RIBBON ANTENNA, #AT-892, used, WRITE
BATTERY f/ PRC-25-77, "weak" #BA-4386, 3/$7.00
ACCESSORY BAG, used, #CW-503, $9.50
#H-250-U Handset Used with broken clip, $46.00
Original Op's Manual f/ VRC-53 (PRC-77 & AM-2060) #MM-VRC-53, $27.00



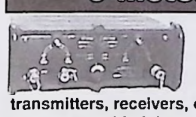
AN/GRM-55 TEST SET, used to check test points in modules of RT-505/PRC-25 transceiver and to isolate circuit problems. (Indirect tests only of modules A2, A12-13, A19-20.) Includes TS-1755 test unit, MX-4622 probe, CX-8593, and CG-409 BNC cable. Requires 12.5 VDC 1 W per 5 sec test. 5.5x7x8, 10 lbs sh. #GRM-55-GR, Government Reconditioned, $99.50

PRC25 & RT524 Module Covers

Housing / Module Covers for PRC-25/77 radios. No markings on covers. Unused.
A13, 15, 19 for PRC25 & A43, 45 for PRC77, #CRV-1,$3
A16 for PRC25 & PRC-77, #CRV-2, $3.00
A14, for PRC25 & A44A for PRC77, #CRV-3, $3.00
A21 for PRC25 & A21A for PRC77, #CRV-4, $3.00
A25 for PRC25 & A55 for PRC77, #CRV-5, $3.00
A10 for PRC25 & A40 for PRC77, #CRV-6, $3.00
A21 for PRC25 & A21A for PRC77, #CRV-4, $3.00
A3, 4, 6, 7, 8 for PRC25 & A33, 34 for PRC77, #CRV-7,$3
A12, A17 for PRC25 & PRC-77, #CRV-8, $3.00
One each of the covers listed ABOVE, #CRV-25, $15
A36 for PRC25, #CRV-A36, $3.00
A27 Chassis cover for PRC25 & 77, #CRV-A27, $5.00

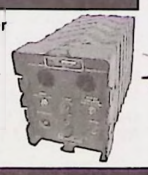
Module Covers for RT524/RT246/R442 radios. Unused.
A3400 for RT524 / RT246 / R442, #CRV-3400, $3.00
A3500, #CRV-3500, $3.50; A3600A, #CRV-3600A,$3.00
A4200, #CRV-4200, $5; A4300, #CRV-4300, $3.00
A5100, #CRV-5100, $3.50; A8300, #CRV-8300, $3.00
One each of the covers listed ABOVE, #CRV-524,$15
A7000 for RT246 only, #CRV-7000, $2.00
A7200 for RT246 only, #CRV-7200, $2.00

6 Meter Diplexer



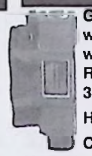
CU-2194/URC DIPLEXER, passive two-port notch filter and combiner network; allows simultaneous use of two transmitters, receivers, or transceiver on a common antenna provided that operating frequencies are slightly offset. Usable over 30-76 MHz FM for use with PRC-25-77 & VRC-12 transceivers; will work with commercial 6-meter equip. Has NULL METER, TUNE controls, Fine-Coarse-Monitor MODE Switch and RT1-RT2 BNC connections. Unit may function as man-portable relay terminal. Maximum RF power to each channel: 65 watts cont. Operational isolation: 45 DB min @ 2 MHz separation. Insertion loss: 2 DB max; VSWR 2.0:1 max. 4x11x7, 10 lbs. #CU-2194, Used, $52.00; #MM-CU-2194, Original Manual, $17.00

CV-278 Freq Shift Converter



CV-278/GR Frequency Shift Converter for the R-392 HF Receiver. Converts frequency shift signals to neutral or polar marking or spacing DC impulses. 450-500 KHz input, 20/60 ma or polar output for teletypewriter. Uses tubes 8/26A6, 2/26A7. 9.1x13.8x7.3, 22 lbs sh. Less meters & knobs. #CV-278, Used, $35.00

PRR-9/PRT-4 Radios



GOV'T-RECONDITIONED each single channel with crystal for 51 Mhz FM: PRR-9 RECEIVER with earphone, antenna, & operator manual. Requires 5 V 25 ma battery power; 7x3.5x1.5, 3 lb. #PRR-9-GR, $58.00

Headset for PRR-9. #H-264, Unused, $6.00

Channel Alignment Indicator, #ID-1189,$150

Manual repro PRR-9/PRT-4A, #MM-PRR-9, $21

18" long antenna for PRR-9, #AS-1998A, $12.00

Horn speaker for PRR-9. #PRR-9-HO, Unused, $7

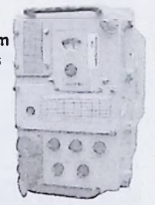
AN/PRT-4 w/ antenna & battery box, Used less crystal, #PRT-4, $27.00

AN/PRT-4 "AS-IS", less crystal, antenna, & battery box; for parts or experiment, #PRT-4-AI $12.

SRA-33 Coupler Set

Coupler Set, in heavy aluminum frame. Includes four cavity-coupler units, power supply, cables, RF selector switch, four power meters & manual. 48x22x27, 350 lbs. #SRA-33, Used, $225.00

SRA-33 Control-Power Supply with cable for above, 45 lbs. #C-4586, Used, with set purchase. $75



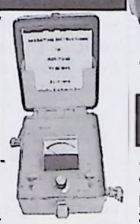
DUAL SILVER-PLATED UHF ANTENNA COUPLER CAVITY, part of system which allowed four receiver/xmitters (140 W) to use single antenna. Each cavity 14.5"Lx6" dia has quarter-wave variable stub (0.2" per turn X 28 turns) over 225-400 Mhz. Input & output loop-coupled; cavities aperture-coupled. Also 8 tracking slugs. Un-loaded Q = 4000, loaded Q 700. Insertion loss 2 DB. (We attached a disk to the moving stub which reduced frequency to below 140 Mhz.) Unit has electro-mechanical drive for 19 preset and one manually selected frequency. With weather-tight aluminum cover. Requires 28 VDC, 6.3 VAC, 115 VAC 60 Hz for motor and chopper. 15x9.5x24, 45 lbs sh. #CU-SRA-33, Used w/info, $49.50

SRA-33 Coupler Manual repro, #MM-SRA-33, $15.00

ARC-60 Oscillator

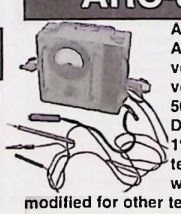
O-423/AR Oscillator-Relay provides 1KHz tone for "whistle-thru" tuning of ARC-60. 3.9x5x2, 3 lbs. #O-423, Unused, $12.00

PRC-90 Test Set



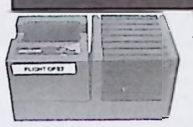
AN/PRM-32A RADIO TEST SET for AN/PRC-90 UHF & PRC-106 VHF survival radios. Requires one radio as receiver and another as transmitter. Tests 243 MHz frequency for beacon, transmitter MCW-voice and receiver outputs. Also Tx-Rx voice outputs for 282.8 MHz (PRC-90) and 121.5 MHz (PRC-106), earphone & battery test. Has 1.8" square meter with Red-Green scale, TX-Rx connector adapters for hook-up &operator's info. 3x 5x4, 3 lbs. #PRM-32, Used,$38.00
Manual repro, #MM-PRM-32, $12.00

ARC-34 Test Set



AN/URM-76A Radio Test Set for ARC-34 radio can be used as a DC voltmeter with the following DC voltage ranges: 1.5, 5, 15, 50, 150, 500. Uses 3.5 inch 50 micro amp DC meter. Case containing meter, 1% precision resistors, 20 position test switch, probes, aluminum case with cover. The unit can be easily modified for other test uses. 4.3x8x7.5, 8 lbs sh. #URM-76, Used good condition w/ schematic,$25.00

PRC-127 Battery Charger



Ni-Cad Battery Charger for the PRC-127 radio. Once the charging function is complete, the unit will automatically switch to a trickle rate to maintain the charge without overheating the battery pack. Has indicator lights for charge in progress and fully charged. Input power 15W. Slow charge rate 60 mA - 140 mA. Fast charge rate 700 mA - 1100 mA. Requires 115/230VAC 50/60Hz. 6.8x3.3x3.4, 6 lbs sh. #CHARG-127, Used, $34.95

Motorola Charger

Motorola NLN8858 Radio Walkie Talkie Charging Station. Charges Key Variable Loader batteries as well as the Motorola MX-300 seies, MX-800 and STX radios. Output 10.6VDC 1600ma. Input 115VAC 60Hz 500 ma. 8.1x5.1x3.7, #NLN8858A, 7 lbs sh. Unused, $19.99

Military Batteries

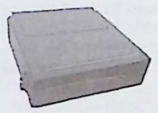
Rechargeable Nickel Cadium Battery for PRC-68/68B/ 126/128 radios. 15 Volts 0.80 AH at 0.16 A. Date Code: 11/89. 1.5 x 4.3 x 4, 3 lbs. #406870-1, Unused, $44

Military Nickel-Cadium Battery Pack, four D-cell batteries in plastic pack produces 4.8 V 3.2 amp-Hr; 3/80 date code. 3.5x5.5x1.5, 3 lbs. As-Is, #4D2704, 5 / $10

BA-48 Battery for GRC-9 Receiver section. +90V & 1.5V. Date code is 0486. No stains. 8 lbs sh. All check weak! #BA-48, $7.00

Battery Boxes

CY-7541/PRC-104 BATTERY BOX, plastic box clips onto PRC-104 backpack radio set and will hold 16 silver-zinc (or =) batteries that provide 20-32 VDC. Side unscrews to insert batteries; 3.8x12.5x2.6, 4 lbs. #CY-7541, unused, $25.95



CY-744 Battery Box for the PRC-10 backpack radio. 9.4x9.7x2.5, 4 lbs sh., #CY-744-U, Used, $40.00

AA-BATTERY BOX for Trimble Navigation Trimpack GPS receiver. Clips onto & allows operation of GPS from 8 - AA batteries (not included). 1.6x 6.5x1.5; 1 lb. #GPS-13828-00, New, $30.00

GRC/PRC Battery Test

AN/PSM-13 BATTERY TEST SET; checks GRC and PRC-type battery packs BA-270, -279, -376, -377, -4386/398/ PRC-25, -399, and -505. Meter indicates BAD-GOOD (FS=1 MA). With adapters U-240, -241, -314, -315, -347, -410 & canvas case. 7 lbs. #PSM-13, Used excellent, $33.00

Military Battery Tester

TS-183 Battery Tester. Checks a large number of different military batteries for radios such as PRC-6, PRC-10, PRC-25, BC-620/659, GRC-9, and many many more. 10.2x15.3x7.4, 18 lbs sh.

#TS-183-U, Used, $40.00
#TS-183-GR, Gov't Recon., $69.95

GET A BETTER PICTURE OF OUR ITEMS AT FAIRRADIO.COM

GRC-109 Supply

PP-2684A/GRC-109 POWER SUPPLY provides voltages for RT-3/T-784 and R-1004/RR-2 from 75-260 VAC 40-400 Hz or 6 VDC 13 amp input. Meter monitors AC input; connections for RX and Tx. 32 lbs sh. #PP-2684A, Used, $46.00

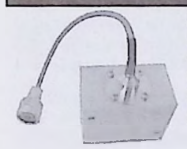
Manual for GRC-109, partial repro, #MM-GRC-109,$27

VOLTAGE REGULATOR, for use with G-43 generator and R-1004; 6 ft cord with PL-244 plug: 4 lbs sh. #CN-690, Used, $47.00

Military Power Supply

6130-01-113-7526, Power Supply Subassembly, Has a 6pin female, 4 pin male, and two U-228 (U-229 mate) connectors. 80064/ASSY 26962-A, MFR 97188/4129-AY1-C, Mfg by D-F Incorporated 3/92. We were not able to find any further information on this interesting power supply. 5.7x4.4x2.2, 6 lbs sh. #80064, Unused, $99.00

Radio Dummy Load

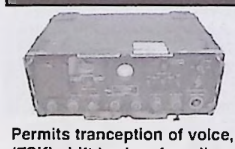


50 ohm Radio Transmitter MA/COM Dummy Load. Came out of a piece of equipment that was used at VHF and UHF frequencies. Has a 7.5" coax cable with type "N" connector. We ran it at 50watts for 5 minutes and it got very hot. Should work fine at 10 to 20 watts for a longer period of time. 2.8x2.3x1.6 block of aluminum. 3 lbs sh. #FAA-DUMMY, $19.99

600W Power Meter

ME-165/G STANDING WAVE-RATIO POWER METER, designed for use with T-368 400 W transmitter; uses 12/ 600 ohm 50 W non-inductive resistors in parallel to provide 52 ohm 600 W load with SWR of 1.1:1 or less upto 30 MHz. Has 0-600 Watt meter, function switch Power-Adjust-SWR-Operate, & N connections. Flanged on back for wall mount. 1.5x9.8x9.8, 20 lbs. #ME-165, Gov't-Recon, $175.00
Manual repro, #MM-ME-165, $14.00

MD-522A Modem



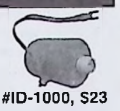
MD-522A/GRC MODEM, modulator-demodulator for GRC-106/106A HF radio and teletypewriters TT-4A, TT-76, TT-98, UGC-4 or UGC 74. Permits tranception of voice, narrow (NSK) or freq (FSK) shift keying, freq diversity and NSK +voice. One-way or duplex Send Receive. Internal loop voltage 120 VDC 60 ma max. Has 2BP1 CRT, U-77 mic & 600 ohm audio connections. Less Meter. Requires 24 VDC 1.4 A; 7x18x13, 41 lbs sh. #MD-522A, $195.00

MANUAL for MD-522A, part. repro, #MM-MD-522A, $40

HF Radio Modem

Thrane & Thrane TT-1185 Radio Telex Modem. Mark / Space frequencies adjustable from 1Khz to 3 Khz. Phase continuous AFSK Keying. RS-410 type N Radio Control. Power input 90 to 240 VAC 50 - 400 hz, 20VA. 15.5x19x3.5, 16 lbs sh. #TT-1185, Used excellent, $49.50

BC-1000 Accessories

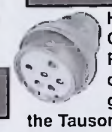


Impedance Matching Antenna Adapter. Adapts the BC-1000 to a coax cable. Used, #TM-217, $9.00

ID tag for BC-1000. New Reproduction, #ID-1000, $23

Rub-on letter set for BC-1000. New Repro, #DCL-1000,$30

ARC Type Connectors



Hard to find ARC connectors for the WW2 Command Sets and later ARC Type 12 Radio Sets. Some of these connectors can be used as is. Some need to have guides filed off. Much information is in the Tauson book, "A Users Guide to Aircraft Radio Corporation Receivers." Also see the ARC connector catalog reproduction. Connectors are unused unless marked Used. "M" designates Male and "F" female.

ARC #	pins	m/f	Works with	Price
16743	12	f	CV431	$22
14320	19	f	C25 Control	$19
12370	2	f	TYPE 12 15 Power	$16
12427	2	m	Chassis Type 12 Rec 15 Rack	$16
14052	4	f	T11 13 Power	$22
12337	4	f		$16
16104	4	f		$19
12338	8	f	15 & Command Racks w/ Mod.	$19
15912	8	f	Modulator Command Rack	$22
12097	8	m	Chassis type	$16

A User's Guide to ARC Corp Receivers - by M. Tauson; ARC-5, ARC-type 12 etc, #BK-USER5, $14

ARC Connector Catalog repro, #CAT-ARC, $7.00 each

Vintage Connectors

PL-58			EE-8	$11
U-31			EE-8	$10
PL-59			BC-191 / 375	$19
PL-64			BC-191 / 375	$27
PL-134			RU-18	$22
PL-164	2	f	SCR-522	$19
PL-167	4	f	SCR-522	$19
PL-171	6	f	SCR-522	$19
PL-172	2	f	SCR-522	$19

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Three pin connector pair. MS3114E8-3S chassis male and MS3116P8-3P cable female connector pair for audio or low current voltage use. Wire can be easily soldered to the gold plated pins. These connectors lock together with a half turn cam action. They will not come apart from vibration. Excellent for use in vehicles and high vibration applications. Removed from unused equipment. #3PIN-PR, $21.00 per set

Hard to find power connector for R-392 HF Receiver. #CONN-R-392, Unused, $40.00

GRC/VRC male connectors, specify type & equipment used. #CON-(equip)-(strain="st" crimp="ct") Used-cut-offs: Strain type, $14 each; Crimp type, $7

Audio Connectors: #U-77, $6; #U-79, $12; #U-229,$7

Terminal Panel

Military Terminal Panel with ten heavy duty push terminals with insulation and 5 pin military audio connector U-183/U that mates with the U-229 as used on many military radios. Also has 4 pin male power connector MW20M(M)A00 M55181/2-01. The two connectors have rubber protective covers to resist moisture and dirt. 1.9x6.6x4, 3 lbs. #TP-10, Removed from unused equipment. $23.00

GRC-9 Accessories

Leg and seat for GN-58. #LG-2B, Gov. Recond, $

Mating power connector for BC-223, #PL-149, $3

Antenna Base. 2 lbs sh. #IN-127, Used, $40.00

Bracket attaches IN-127 base to RT-77 radio, Fre made #FT-515-FR, Used, $7.00
As above but made in the U.S.A, #FT-515-US, $1

Mount for RT-77, #MT-350, Used, $30.00

Canvas Cover for RT-77/GRC-9, #CW-140, Used,

Long Wire Antenna "As-Is", may have wire brea #AT-101, 4.3-12MHz, $19; #AT-102, 2-4.3MHz, $ #MM-GRC-9, Original Manual for GRC-9, $30.00

Radio Cables

CX-4720 Eight foot VRC-12 power cable. Unused,
CX-4721 Extension Cable for DC power 10ft. Unus
CX-4722 VRC Control Cable, 15 feet, $21.00
CX-4723 VRC Control Cable, 2.5 foot, $17.00
CX-7059 Cable C-2742 to RT-246, Unused, $26.0
CX-7867 AUDIO CABLE, 25' U-229 /-228, $14.0
CX-11016 2/19 pin male connectors 6 ft. Unusec

CX-13089 Vehicular power cable for use with M or vehicles with 3 pin power sockets. 5 ft 4 cor tor #14. Unused, $14.00

Vehicle power socket 3 pin female to mate with 13089 cable. #CONN-13089, Unused, $17.00

CD-670 HV Cable for BC-191 / BC-375. Has Pl female connectors on each end. 5 foot long. $

#CX-13134/U DC power cable 3 pin connector f MX7777, Crown CC229935-2P, and 4 pin PTo6E- Unused, $17.00

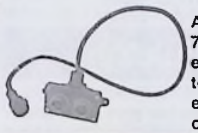
#CX-13143 6 Ft DC power Cable for the AM-49 AM-6747 amplified speakers. Unused, $17.00

#CX-13306/VRC Sincgars Power Cable 2 ft,

Crypto Cable RT-1209 PRC-104 to KY-99. 2 fee #CBL-104, Used, $23.00

#SM-D-915890 Battery back up cable for UGC MS3116E-12-3S, other end fits the batteries u with PRC-25/77. Unused, $20.00

U-77 to U-229 Coiled Audio Cable. 8 foot long stretched. #SM-D-875498, Unused, $20.00



Adapter, 33" cable wi 77 audio connector o end and two U-79 con tors (mates to U-77) n ed on a panel box on other end. #J-654, Us

AIC-10 Intercom Sys

RE-94 / AIC-10 Interphone Co includes AM476 solid state au amplifier, call button, volume 27VDC required w/schematic. x3.6, 4 lbs. #RE-94, Used, $12.

LS-184/AIC-10 Aircraft Dynamic Loudspeaker with AM-492 amplifier, usually used in the fuselage of larger aircraft and in the wheel well for ground crew communication. Power required 28 VDC and 170 VDC for 4/5718 or equal tubes. 7.3x8.2x4.2, 6 lbs sh. #LS-184, Used, $35.00
7 pin connector for above, #7P-LS184, $25.00

TM11-5831-200-35 Field and Depot Maintenar Manual Intercommunication Set, AN/AIC-10 C-823, C-824, C-825, AM-476, AM-476A, DY-77 RE-94, LS-184, AM-492. #MM-AIC-10, Repro,

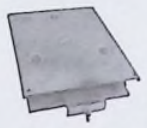
MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

Radio Mounts

MT-1029/VRC Vehicular Mount for RT-246 & RT-524/VRC -12 transceivers. 5x12.5x16, 19 lbs. #MT-1029-U, Used, $40.00;

MT-1898/VRC Mount for companion R-442 receiver 5x6x12.3, 15 lbs sh. #MT-1898-U, Used, $35;

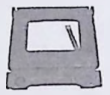
ARC-164 MOUNT, retrofit ARC-164 into ARC-34 mount. Rear rack connector & front plug for ARC-164. 5x13.8x11, 11 lbs. #MT-6147, Used, $35.00



Robinson Aviation shock mount 848-2. Looks like its good for about 5 pounds. For base 5.5 x 7.5 inches with screw clamp on front. 2 lbs sh. #848-2, Used, $14

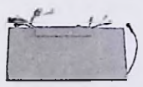
TCS Transmitter / Receiver shock mount. Shockmounts are not original, but look correct.
#MT-TCS-4, 4 shock mt, $46
#MT-TCS-6, 6 shock mt, $52

FT-161 Mount for BC-357 Beacon Receiver, 3 lbs sh. #FT-161, Unused, $10.00



MT-759 Mount for AM-598. Less canvas strap. #MT-759, Used, $21.00

MT-6378 / GRC-193 Mount for CU-2064 Antenna Tuner. This mount has the base for the antenna. #MT-6378, Unused but hasn't been in packaging for a while. $135

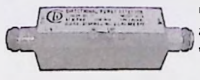


MT-6233 / GRC193 mount for AM-65445, CU-2064, AM-6879. #MT-6233, Unused, $200.00

Directional Coupler

Rockwell Directional Coupler for the AN/GRC-171B 20 watt, 200-400 MHz transceiver. SMA connector for RF input. RF output uses BNC connector. NOS# 5985-00-588-5285, 4.8 x 1.3 x 1.3, 1 lbs sh. #ROCK-DIR, $25.00

225-400 MHz DIRECTIONAL POWER DETECTOR



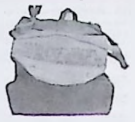
used in AM-6155 UHF power amplifier. Rated 65 watts forward; 15 watts reversed. Forward/ reversed DC output proportional to output/mismatch; sub-mini connectors provided. "N" RF connections; 4.5x1x1.3, 1#. Coaxial Dynamics #3023, Used, $25.00

Patch Panel

SB-3189 Audio Communications Patch Panel. Normal 1/4 inch phone fits 52 pairs ADC jacks. Jacks are spaced for double phone plug. Each jack 2 normally closed and one SPDT. Some panels are red, some are grey. 17.5x19x7, 31 lbs sh.
#SB-3189, Used good condition, $195.00

Canvas Bags & Covers

BAGS & COVERS may be used or unused. May have minor wear, tears or discolor:



CW-212 Canvas Bag for GRR-5 with adjustable straps; 10x9x5, 4 lbs. sh. #CW-212, $40.00 each

Durable Canvas Bag with shoulder strap. 10.5x7.3x7.5, 2 lbs sh. #HO-25A, $12.00

Accessory Bag for the PRC-8,9,10. Holds the AT-272, AT-271, and H-33. #CW-216, Used, $20.00

SHOULDER BAGS with adjustable straps; Used:
#BG-175, 10x8x10.5, $21.00
#CW-189, 10x9x10, $14.00

GRC/VRC EQUIPMENT COVER
#CW-140 for GRC-9, Used, $21.00
#CW-329 for GRC-3–8, Unused, $19.00

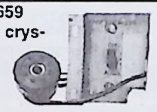
ANTENNA ROLL BAGS f/ MS-116 etc mast sections, #CW-206-U, Used, $8.50;
#BG-174, Used, $21.00

Cargo Sling / Tow Straps

Cargo Sling-Heavy Duty Tow Straps. This item is a 15,000 pound cargo sling and consists of four sections, each is constructed of four 15 feet seatbelt type OD nylon straps which are looped on one end with an 76 inch chain and catch arrangement on the other. The loop ends are all joined together by a large loop of webbing. This loop can be removed to seperate the four individual straps for use as tow straps or whatever. #CS15K-SLING, 105 lbs sh. Unused,$92.00

Single strap from above w/ chain and catch, #CS-STRAP, 25 lbs sh. $35.00

BC-620 / 659 Accessories



ALIGNMENT ADAPTER for BC-659 transceiver; allows changing of crystals and alignment of the set without the use of an external meter. Mounts inside the BC-659. 2 lbs sh. #M-399 $7.50
Adapter f/ BC-620, #M-394, $7.50

ALIGNMENT TOOLS for BC-620/659: #TL-207, $7.50

RIGHT ANGLE, #MC-136, $7.00
T adapter for MC-124, #MC-203, $11.00
Spin Tuning Knob f/ spline ARN6 & BC229, #MC-127,$11

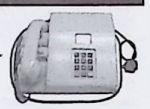
7 foot Balloon

7 foot Weather Balloon, a relatively small 800 gm balloon capable of reaching 100,000 ft. in height at a minimum rate of rise of 1000 ft. /min. both at night and during the day. The ML-537 represents a to-20,000, ft. height improvement over the separate day and night balloons it replaced. It also has a specified 80% reliability, as compared to the previously required 60%. Balloon ML-537/UM, Sounding type, Clear color, Rate of rise is 1000 feet, Bursting altitude 100,000 feet, Volume 126 cubic feet, Free lift 1600 grams. 5 lbs sh.
#ML-537, Unused, $25.00

Field Wire Manual

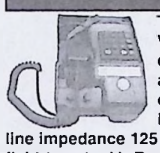
Field Wire & Cable Techniques Manual, Some of the info inside includes: Splicing Field Wire, Wire Laying and Wire Recovering Equipment, Pole and Tree Climbing, Field Wire Line Construction, Air Laying of Field Wire, Rapid Construction of Spiral Four Cable on Aerial Supports, Maintaining Field Wire Lines, Communications Equipment Use in Field Wire Systems, 349 pages, 6.75"x4.3", #FM24-20, Excellent unused condition.$10

TA-341 Phone



TA-341/TT TELEPHONE SET push-button 4-wire unit for use with tactical switches using four C-cell batteries; usable in conventional point-to-point telephone line (plug may need changed) Range >3.2 km. Signal out 900-3400 Hz digital tone; 90 V 20 Hz signal in. 4.5x10.5x10.5, 10 lbs. sh. #TA-341, Used, $30.00

TA-954 Phone



TA-954/TT NON-SECURE DIGITAL VOICE TERMINAL used in Tri-Tac comm-system: 4-wire set xmits and receives diphase-modulated digital voice and loop signaling info at 16K or 32K bits. 125 ohm line impedance 125 ohms; range 4 km using WF-16 field (no stock). Requires 24-56 VDC, Tone pad has characters 0-9, FO-F-I-P-R-O-C; also Volume L-H Ring - Receive & H-350 handset. Plastic case is EMI/EMC static protected. 7.3x4.5x10, 8 lb sh.
#TA-954-GR, Government Reconditioned, $145.00

Field Wire

Field Telephone Wire WD-1A/TT twin lead vinyl-covered wire. Intended for use with EE-8, TA-43, TA-312 and similar field phones. 1/2 mile of wire on a wood spool, 10.5x7.2, 23 lbs sh. #WD-1A-2640, Unused, $252.95

Field Telephone Wire WD-1A/TT twin lead vinyl-covered wire. Intended for use with EE-8, TA-43, TA-312 and similar field phones. 1 mile of wire on a wood spool, 12x11.6, 44 lbs #WD-1A-5280, Unused, $490

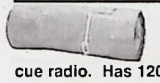
100 feet of WD-1A wire less spool, #WD-1A-100, $23
50 feet of WD-1A wire less spool, #WD-1A-50, $12

WF-16 Four Conductor Stranded Field Phone Wire on a DR-8 reel. Around 950 feet. Two pairs of what looks like small zip cord twisted together. One is brown and the other is gray. 9x8.5, 18 lbs sh.
#WF-16, Unused, $148.00

Antenna Tether Wire

306 Foot Spool of vinyl-covered braided #22-size intended for use with above; usable on the ground as long-wire antenna also. On spool; 3 lbs. sh. #SEB-400X3, unused, $18

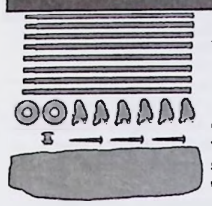
Hydrogen Generator



M315B HYDROGEN GENERATOR, used to provide hydrogen for 4' balloon p/o CRT-3 Gibson Girl rescue radio. Has 1200 grs of calcium hydride crystals in long can which, when immersed in water, produces hydrogen gas. (EXTREME CAUTION must be exercised in the performance of this process because hydrogen gas is dangerously flammable and the liquid calcium by-product is very caustic!) Cans are dented; suitable only for recovery of calcium hydride. 11.6"L x4.3" dia, 4 lbs. #M315B, Unused-dented, $13.00

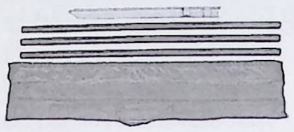
CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

Mast Kits

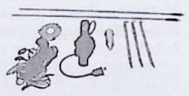


29.6 foot Mast Kit comes with eight 1.8" diameter sturdy fiberglass mast sections, two high quality plastic guy rings, 300 feet of rope (cut according to your need), three guy stakes, insulator, and weather proof bag. 55 lbs.

#ANT-KIT-29-U, Used, $185.00
#ANT-KIT-29-UN, Used Excellent, $229.50

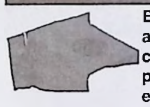


12 foot Military Mast Kit. Comes with: three 47" long x 1 3/8" fiberglass mast sections, one 8" top mast section which holds two horizontal aerial antennas and also has 16 feet of RG-58 coax with a male BNC connection at the end, two 28" antenna elements that thread to the top section, one guy ring with guy rope, three 9" stainless steel stakes, one 27" long mast base which mounts directly into the ground, and O.D. green carrying bag with handle. There is no indication of a model number on the assembly. Excellent for field day or other portable antenna use. 12 lbs sh. Unused, #MK-12, $65.00 ea



As above except with Ground Plane Antenna.
#GPA-MK-12, Used, $57.00

Mount Brackets



BRACKET for mounting 2" dia antenna bases like AB-15 to vehicles or other flat surfaces. Mount plate 6.3"W x4"H; base hole center extends 3.9" from plate. 4 lbs.
#SM-B114371, Unused need cleaned, $17.00

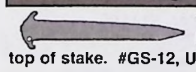
Angle Bracket for attaching MP-50 or similar mount bracket to corner of vehicle. Bolts for MP-50 and drilled for side mount; 5 lbs sh.
#SCC-28591, Used, $15.00

Guy Ropes

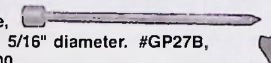
MX-516 Halyard, 140' nylon rope, insulator & pulley Used with AB-155 & AS-244. Used, $17.00

ROPE, 80', #M378, $8.50; 10', #M379, $5.00

Guy Stakes



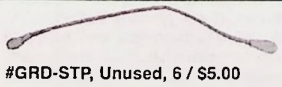
12" Aluminum Guy Stake. Has 1/4" diameter hole near top of stake. #GS-12, Used, $3.50; 5 / $12.00



Aluminum Guy Stake, Overall length 7.3" x 5/16" diameter. #GP27B, Used, $2.25; 8/ $12.00

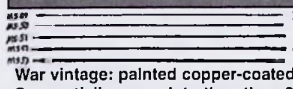
17" Heavy Duty Cast Steel Guy Stake. 3 fluted. 1.4" Diameter. Has 1/2" diameter hole near top of stake. #GS-17, 5 lbs sh. Used, $12.50

Ground Strap



Ground Strap 8" long 1/8" dia with lugs.
#GRD-STP, Unused, 6 / $5.00

Mast Sections



3-FOOT MAST SECTIONS (left), WW-2 & Korean War vintage: painted copper-coated steel. Sequentially screw into the other; 3/16" dia MS-49 top section the smallest. Self-supports to 15 ft; MS-53 can fit into another MS-53; 1 lb sh. May have surface rust: We no longer have the MS-51 which is necessary. Select from MS-50-52-53,
#MS-(specify #)-U, Used some rust, $4.75 ea
#MS-(specify #)-UN, Unused, $8.75 ea
MS-54 Mast Section. Unused, #MS-54, $14.00

MS-116 & MS-118 MAST SECTIONS, each 39.3"L. MS-116 is stackable bottom section, MS-118 tapered top; fit AB-15, AB-652, MP-65 & UG-558 bases. 1 lb ea.
#MS-116-U, Used $5.25; #MS-118-U, Used $8.75
#MS-117-USED, $32.00

Tie Down Kit for MS-118 including tel-down rope and plastic cap for MS-118, #MS-118-TD, $12.50

AB-21 Mast Sections, similar to MS-116-117-118 except 27" length each. AB-21 is bottom & stackable section; 1 lb each. #AB-21, used, $6.50ea
Unused Unpainted Masts with dark spots easily removed by steel mesh, #AB-21-UN, $9.00

PRC-Type Antennas

AT-272A RIBBON ANTENNA & AT-272 FLEX-BASE SET for PRC-8-9-10; 2 lbs #AT-272, Unused, $21
SHORT FLEX BASE only f/ AT-272A, #272-BO, used, $5
SHORT FLEX BASE only f/ AT-892, #892-BO, used, $14
RIBBON only for AT-272A, used, #272-RO, $12.00
RUBBER BASE f/AT-271 (PRC-8-9-10) #AB-129, $6.00
RUBBER BASE f/AT-271 (PRC-25-77) #AB-591, $14.00
37.5" Ribbon Antenna for PRC-126 and PRC-128 but not PRC-68. 2 lbs. #37695721153-3, Unused, $17
RIBBON ANTENNA f/ PRC-6 radio, #PRC-6-RA, Used,$14
WHIP f/ Canadian CPRC-26, #AT-5001, used, $12.00
M-422 ADAPTER for using MS-116/AB-23 masts with PRC & BC-1000 as long antenna, #M-422, $12.00

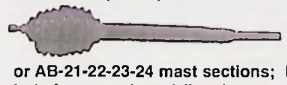
Mast Bases

AB-15 MAST BASE for MS-116-117-118 or AB-21-22-23-24 masts; rubber flex spring with 3.3"Lx3" dia ceramic insulator & bottom terminal. Mounts in 2" dia hole. O/a 15"L, 3 lbs sh. Used with small chips in the ceramic insulator,
#AB-15-U, $12.00
As above but used good condition, #AB-15-UG,$21

AB-558 BASE for MS-116-117-118; mounts to SC-D-189023. 16"Hx6"dia; SO-239 conn.
#AB-558-U, Used, $17.50
As above but unused, #AB-558-UN, $46.00

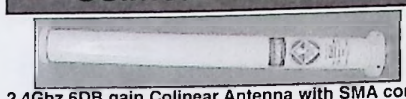
MP-68 MAST BASE, makes ground plane antenna when used with combinations of AB-21-24 or MS-116--118 whip masts installed as three radiating elements plus one vertical. Has center 3" dia ceramic feed-thru insulator with UHF connection and sockets for elements. Clamp on bottom allows installation on top of 1.6" dia masts like AB-35 (RC-292) or MS-44 (AB-155).
13"Hx5"Wx5"D, 5 lbs. #MP-68, Used, $49.50

IN-127 Antenna Base holds three MS-116 and one each MS-117-118 mast sections. 14.5"L black plastic. 2 lbs #IN-127, Used, $40



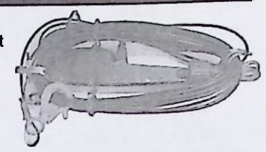
MP-65 MAST BASE for MS-116-117-118 or AB-21-22-23-24 mast sections; Requires 2" dia hole for mounting. 3 lbs sh.
#MP-65, Used good condition, $75.00

Colinear Antenna



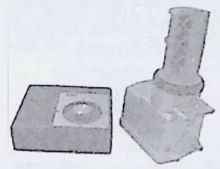
2.4Ghz 6DB gain Colinear Antenna with SMA connector. 15" long x 1.5" diameter. 4 lbs sh.
#ANT-COLINEAR, $19.95

Steel Guy Assembly



1/8 inch steel guy cable on steel bracket with locking pulley and tension adjustment. Use for field day antenna guy or other wire support use. May not have plastic over steel cable. 9 lbs.,
Used, #GUY-35, 35 ft, $23.00
#GUY-50, 50 ft, $32.00

ECG Antenna Rotor



ECG Antenna Rotator, A durable, precision-built rotor designed to turn and accurately position even the largest TV/FM antenna, ensuring the best possible TV picture and FM reception. High torque - easily handles largest TV/FM antenna arrays. Built to take high winds and harshest weather extremes - water tight seal. Rotation Time 70 Seconds. Rotation Torque 8 Ft.-Lbs. Vertical Load Capacity 100 Lbs. (max.). Support Mast Size1.125" - 2"Dia. Comes with Rotator Drive Unit and Control Unit, 14 lbs sh. #U-105, New, $88.95

Support Bearing for U-105 Antenna Rotor, Provides extra support for U-105 rotator drive unit bearings. Relieves wear and tear on rotator imposed by wind loads. With mounting hardware. #TB-105, New,$27.95

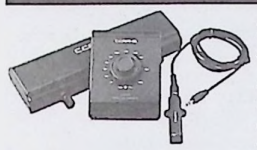
Loop Antenna

AT-784/PRC DIRECTION FINDER LOOP ANTENNA for use with PRC-25 -77; covers 30-76 MHz in five bands. Controls FINE TUNE 0-10 MHz in 1 MHz steps and ATTENUATOR 0-40 DB in 10 db steps. Includes AT-1082 loop with whip, and 8 foot cable. Collapsed size 8x6x3.5, 5 lbs.
#AT-784, Used, $46.00
Manual repro for above. #MM-AT-784, $21.00

AS-2360 Loop Antenna receives 0.53 Mhz to 10 Mhz, useable to 20.5 Mhz. Impedance 50 ohms, Null depth 25 db, bearing error less than 2 degrees. Originally part of TRQ-23 radio receiving set. The base of the loop contains a loop cathode follower with varactor diode for tuning, two rf amplifiers, and an output cathode follower using 4/6612 tubes which require 36 v B+, 1.1v filament. Tuning voltage 0-102 vdc, gain voltage 0-37 vdc, sense relay 24 vdc. Comes with canvas bag. 6.4x26.2x61.8, 30 lbs sh. #AS-2360, Used, $290.00
TRQ-23 Op's Manual & Schematics repro, #OM-TRQ-23, $32.00

CALL US AT 419-223-2196 or 227-6573 24 HOUR FAX 419-227-1313

C. Crane Antennas

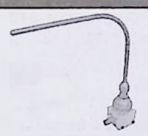


AM Antenna With Twin Coil Ferrite. The biggest advancement in AM radio antenna design in over 50 years! The best compact AM antenna for a portable radio or home stereo. It increases available daytime stations dramatically and reduces nighttime fade out by 99%! Can also eliminate heavy static and distortion. Tuner Size: 3.3" W x 4.3" H x 1.3" D. Antenna Head Size: 8.5" W x 2.5" H x 1.3" D. New, #TCA, $99.95

Remote Kit, you can set the Antenna Element closer to a window or even outside, away from the noise and interference. You'll dramatically improve reception on weak AM stations in brick, stucco or metal-sided homes, and virtually eliminate static.
25' remote installation kit. #J25, New, $19.95
50' remote installation kit. #J50, New, $29.95

The FM Reflect is an affordable FM antenna that is equal to or better than the best indoor antenna made. Great signal to noise ratio. Works with any portable or stereo receiver. Incorporates a new dipole design for maximum gain across the FM band. Up to 213% more powerful than a standard dipole antenna. Comes with "F" connector, balun spade connector and alligator clip. Size: 54" element with an 8' feed line. 2 lbs sh. #FMW, New, $29.95

ARC-60 Antenna



AT-701/ARC-60 UHF Antenna is a quarter-wave, base fed, inverted L-type design 6" vertical x 7" horizontal x 1/4" dia. 2 lbs sh. #AT-701, Used, $14.00

UHF Dipole Antenna

AT-413/TRC DIPOLE ANTENNA for 225-400 MHz, originally part of large array. T-top elements extendable 3" each end to adjust reception; 20" max T-width. Mount flange moves to adjust height. Type C connection on bottom. O/a 15.5"H, 12 lb. #AT-413, Unused, $23.00

AS-1729 Parts

#MX-6707 Base. Used, $115.00

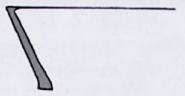
Mast Spring only for MX-6707; 4 lbs. #AS-1729-MS, Used, $14.00

TIE-DOWN KIT for AS-1729 including tie-down rope and plastic cap for AT-1095, #AS-1729-TD, New, $12

Manual repro for AS-1729, #MM-AS-1729, $21.00

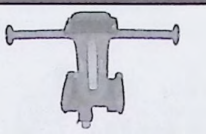
MOUNTINGS for MX-6707 p/o AS-1729, Used:
#SCD-189023 f/ base. unused, $29.00
#SCD-446058 corner. used, $17.00
EXTENDER for SCD-446058.
#445058-EX-U, used,$9

Blade Antenna



AS-2485/ARC-114 BLADE ANTENNA used with 30-76 MHz ARC-114 radio set; BNC connection. 24"H x 42"L, 15 lbs sh. #5985-168-8383, Unused, $48.00; 2 for $75.00

Dipole Antenna



AT-566 Dipole Antenna covering 400 to 600MHz. Part of TRC-24. Type "C" connector. 9.9x9x3.5, 4 lbs sh. #AT-566, $19.99

LF-DF Antenna

AT-780/ARN-59 DIRECTION FINDER ANTENNA, 190 - 1750 KHz. Has ferrite loop, 26 V 400 Hz motor & Tx selsyn for drive direction. Operates in circuit on 26 V 100 Hz. W/ 14 error compensator screws, 0-360 scale visible under glass dome & schematic. 3.8x6.5x6.5, 8 lbs. #AT-780, Used $42.00
#NG-AT780, above no glass, $30.00

AS-313/ARN-6 DF ANTENNA, similar in function to above, but earlier design; 10x11x5, 18 lbs sh. #AS-313, Used, $40.00

Hy-Gain Antenna

HY-GAIN MOBILE-COM ANTENNAS, new: 760-SERIES, include 52" whip, 2.5"H spring base, 18" RG-58 coax cable, PL-259 connector & UG-175 reducer; 5 lbs sh. unused, $14.00 ea: #761 (30-33MHz) #767 (33-36 MHz)

- -

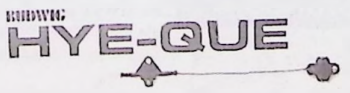
KATHREIN WHIP, 64-470 MHz; cut 4 foot length; 1-hole mount, 15' RG-58 coax. 4 lbs. #K50-54-4, $21.

+ +

TELESCOPING CHROME ANTENNAS, $4.50 each:
#TCA95-380, 9.5"L to 38"L; 6-32 thread mtg screw
#TCA84-144, 8.4"L to 14.4"L; 5/32" dia base hole
#TCA60-125, 6"L to 12.5"L, 10-24 thrd mtg screw

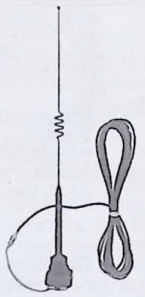
CB Antenna Mount

Chrome-Plated Steel Spring. For 3/8"-24 Threaded Whip. With hardware. 4 1/8"H x 1 5/8"D. Unused, #21-1118, $14.00



BUDWIG HYE-QUE dipole center antenna insulator & strain connector for long-wire set-ups; full legal power capacity + weather-tight polymar construction. Strain assembly with PL-259 connection for lead-in wire drop. #HQ-1, NEW, $11.15
#HQ-2, insulator pair, New, $2.86/ pair

900 MHz Cell Antenna



900 MHz Cellular Mobile Antenna by Antenna Specialists with trunk lid mount. 824 to 896 MHz with 3DB gain. Antenna capable of adjusting 25 degrees any direction. Antenna has a female TNC connection. Kit comes with 15 feet of RG-58 cable with a male TNC connection on one end, cord clip, mylar tape, bracket channel, a seperate TNC male connector, and alien wrench. Antenna with mount stand around 30". 3 lbs sh. #ASP-917, Unused. $9.99

Long Wire Antenna

AS-1321/PRC-47 LONG WIRE ANTENNA 45 ft vinyl-covered with insulators at 15" and 25"; clips at insulators adjust length.
Designed for use with 150 W HF transceiver; 4 lbs. #AS-1321, Used, $29.00

Dipole Fixture

DIPOLE FIXTURE, part of PRC-74 long-wire antenna set. H-shaped has 25i vinyl-covered 2-conductor copper wire: 2.5x12x1, 3lbs sh. #DP-MK-911, Unused, $8.50

Impedance Match

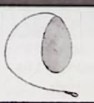
CU-459/AR IMPEDANCE MATCH NETWORK, black plastic bullet-shaped designed to mount to aircraft wing. Holds two AT-624 antenna elements (not available); 50 ohm BNC-conn. P/o AN/ ARA-31 24-49 FM MHz homing set; 4.3x3.3. 2# . #CU-459-UN, Unused, $11.00
As above except used, #CU-459-U, $5.00

KY-149/AR KEYER, couples homing antenna to radio; requires 28 VDC. Has a 28VDC globe 60 RPM gear motor. 2.3x7.7x4.9; 3 lbs #KY-149-U, Used, $14; #KY-149-UN, Unused,$21.00

Screw Anchor

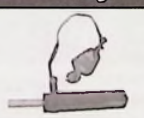
20" long Antenna Screw Anchor . 3" diameter. 4 lbs sh., #ANCH-103, Used, $22.00

Trailing Wire Antenna



WT-7A Trailing wire antenna weight 4.25" x 2.5" on 12" leader. 5 lbs sh. Used, #WT-7A, $21.00

Dummy Antenna Load



Wireless Set 19 Dummy Antenna Load WS19. With Mueller gator clip. 5.5x0.8, 2 lbs sh. #76418-191, $15.00

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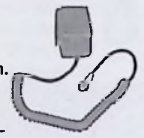
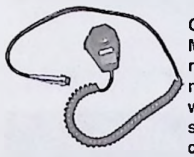
Microphones

600 ohm Uni-Directional Dynamic Microphone. Frequency response: 50-15,000Hz. Effective output Level: -54dB. 8.5' cord with a gold plated two way plug for 3.5mm or 1/4" phone plug. With on/off slide switch. Mfg by Merry. #DM-35. Unused, $4.50 ea: 4/$14.00



Handheld Dynamic Power Microphone. Impedance of 1.2K ohm. Frequency response of 300-6KHz. Coiled cord with a 4 pin female connector. Marked TransVideo but made by Merry. #DMC-510, Unused, $17.50 each; 3/$35



GM Delco Microphone for mobile communications; black with PTT switch, coil cord and 5 pin male connector. #GM-DEL-MIC, Unused, $14.00

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T-45 MIC Carbon type 100 ohm 50 db below 1 mv, flat response with PL-291 two contact male plug, 11" cord. #T-45, Unused, $11.00

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LIP MIC for CW49507 or H-62 headset; 100 ohm, Unused, #CW-51071,$35

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#M-29B MIC with U-77 plug; for T-195 T-368, etc. Used, $17.00

#M-52 MIC with 5 foot cord & PL-68 plug. Unused, $17.00

#M-80C MIC, Unused, $19.00

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WW-2 CHEST SETS

#T-26A, Recond, $11.00; #T-46/TD3, Used, $11.00

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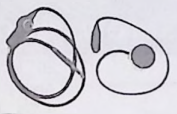
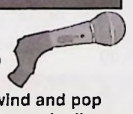


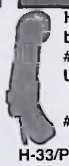
RS-83 Mask type Aircraft Microphone by Telephonics. Mic is Hi-Z (100K ohm) and has a 16.5" cord with a 33" extension cable that has a push to talk switch. #RS-83, Unused, $21.00

Shure Mic



Shure Unidirectional Dynamic Microphone. Ball-type. Dual HI Z & LO Z Impedance. Spherical grille is a very effective wind and pop filtering, ideal for closeup vocal miking. Symmetrical cardioid pickup pattern minimizes feedback. Lockable On-Off switch. Frequency response 80 - 15KHz. 3 pin XLR connector. Swivel adapter. 3 lbs sh. #588SDX, Unused$80

Handsets



H-250 HANDSET w/ push-to-talk button, coil cord & U-229 plug. #H-250-U, Used w/ broken clip, $46.00

#H-350, Used Checked, $46.50

H-33/PT HANDSET for GRC-3-8, PRC-10; Has stretch coil cord with U77 plug. #H-33, Used Checked, $35.00

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TS-9 Handset or equal with butterfly switch as used on EE-8 and similar field phone equipment; 2 lbs. #TS-9, Used, $39.50

TS-9 Handset wired like H-23, TS-13/15 for use with BC-1000 radio. #TS-9-1000, Used checked, $45.00

H-90 HANDSET, like TS-9 but w/ U-77 plug; #H-90, Unused, $39.50

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Belge Standard Handset newer style mfg by ITT, #BEIGE-H, Unused, $5.00

JEN-20 HANDSET w/ AMPLIFIED receiver for hearing impaired; black or belge. #JEN-20, New, $21.00

Western Electric Handset with 1903 patent date; black painted brass handset with PTT-switch appears to be same as TS-7 handset used with pre-World War-2 EE-5 field phone. 3-wire cloth cord. 4 lb. #D14842, Used, $58.00

Plantronics Headsets

Starset Supra Amplified Operators Headset with voice tube by AT&T. Cushioned earpiece with adjustable headband. Comes with clothing clip and plug amp. Brown color. Unused in the original packaging. 2 lbs sh. #KS22990-L1, $40.00

ACS Operators headset that fits over the ear with six earpieces of various sizes. Has dual connector with 1/4 inch plugs (similar to PL-55) for connection to system. #SMD-0-102-15, Unused, $40.00

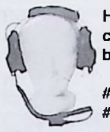
Headbands

Old Military Black Leather Headband. Holds a 1 3/4" receive element. 2 lbs sh. #BLK-BAND, Unused fair condition, $15.00 each; 2 for $25.00

Headband by Murdock f/ R-14, #HB-5, $19.00 each; 2 for $30.00

Headsets

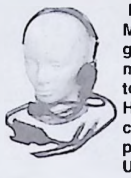
VRC-12 HEADSETS



H-251 HEADSET w/ vinyl cushions, 24" coil cord; black color.

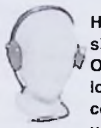
#H-251-A-U, Used, $14
#H-251-A-UN, Unused, $21

H-161D HEADSET with 300 ohm boom mic, push -to-talk switch, & CX-8650 Y-coil cord; vinyl cushions. Black. #H-161D, Unused, $80.00



H-195 HEADSET & BOOM MIC, rubber-covered single 300 ohm phone element, 40 ohm mic & push-to-talk switch. Similar to H-144 except has 10 foot cord with PJO-55 & -68 plugs; 4 lbs sh. #H-195, Unused, $35

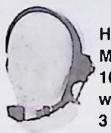
WIRELESS HANDS-FREE HEADSET for two-way FM radio communications in high noise environments. Uses throat mic and ear cushions with EPA noise-reduction rating of 23 DB. Operates on 49.86 Mhz; controls for Volume & Squelch, Velcro adjustable head web and mic straps, 6" antenna and fiberglass case. Requires two 9 V batteries; #7800H, New, $79.50



H-113 600 OHM HEADSET, similar to CW-49507 except O.D. green color with cushions and PL-54 plug on 18" cord; 3 lbs. sh. #H-113, unused, $11.00; 2 for $18

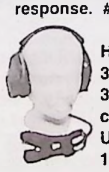
HS-30 HEADSET 250 ohm impedance light-weight WW-2 era set has cord wired to CD-604 500:4000 ohm matching transformer and PL-54 plug; 3 lbs sh. #HS-30-U, Used, $14

HS-30 Headset, 250 ohm impedance light-weight WW-2 era set has CD-620 cord and M-300 inserts. #HS-30-UN, Unused, $28.00



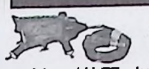
H-63 HEADSET and BOOM MIC, 600 ohm receive and 100 ohm M51 mic elements; with JJ-055 and 3-pin jacks. 3 lbs. #H-63, Used, $12.00

H-264/PRR-9 EAR-PLUG HEADSET, coil cord & 2 mm dia jack; 300 to 2500 Hz response. #H-264, New, $6.00



H-227 HEADSET, with two 300 ohm elements in 4" x 3.5" vinyl cushions, 42" coil cord, and U-77 plug. Used with GRC-3--8, GRC-106 radios. OD-green & black; 2 lbs. #H-227, Used, $25.00

Accessories



GSA-6 CHEST GROUP SA-142 PPT-switch & CX-1077 cable w/ U-77 plug connect H-63 headset to GRC radios. #GSA-6, Used, $9.00

PHONE PLUGS,
#PL-354 red. used, $6.00
#PL-55 on 30" cord. used, $3.00
PL-55 equivelant 1/4" phone plug with no cord. #M642/4-1, Unused, $3.00
PL-55 on a 5 foot cord. #CX-1201, Unused, $6.00
PL-68 (or =) Mic plug. #PL-68-U, $6;

DOUBLE PLUGS, unused:
#D178542 (WE289) for headsets, etc. $5
#2PPC f/ switchboards, $5.00

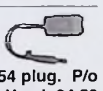
JACKS,
#JK-33 PHONE JACK to fit PL-68 plug. Used, 2/$1.40
#JK-34 PHONE JACK to fit PL-55 plug. Used, 2/$1.40

MIC ELEMENTS, checked:
#F-1 for TS-9, $6.00
#M-51 for H-63, M-29, $6.00;
#M-235 for H-33 , $7.00
#TA-117 for H-60 (TA312), $7.00;

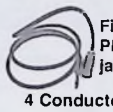
RECEIVE ELEMENTS, checked:
#1227 (or =) for H-33 receive, $7 ea;
TS-9 receive element, CALL
#TA-235 for H-60 (TA312), $7.00
#R-30 receive element for HS-30, $1.50

SWITCHBOARD CORDS

#500286-104, red with black cloth covered cord with double 310 plugs on each end; 50"L. $16.50
#500286-106, as above but 75"L. $19
#500286-110, as above but 118"L. $21
#500286-115, as above but 178"L. $23
#500286-120, as above but 240"L. $26
#WE-338A, dirty light brown dual cloth covered cord w/ double 310 plugs on each end; 17"L. $12



CD-604 CORD with impedance matching transformer 500 ohm to 4000 ohm; 6" cord & PL-54 plug. P/o HS-30 headset. #CD-604-U, Used, $4.50
#CD-604-UN, Unused, $7.50



Five foot audio cable with a PL-55 plug and a U-92A audio jack. #55-92-1312, Unused,$10

4 Conductor Brown Cloth Covered Cord for Headsets, etc... 6 feet. #CORD-4C, Unused, $30

MIC COIL CORD, 1-shielded, 2- wire not; stretches 30"-42". #SH-CC3042, New, $3.50

"Extra-Stretch" Phone Coil Cord 4 ft to 25 ft extension w/ modular jacks; tan. #T425-MOD, New, $4.00

RS-232 Ten foot Video Cable. 15 pin male to 15 pin female. #CBL-V15, 2 lbs sh. Unused, $4.00

"Y" CORD

#CD-620F, molded 16"L legs & 6" cord w/ 2 lugs each end. For HS-30 Headset. $4.00

HEADSET CUSHIONS

#M-301 4" Chamois cushions for HS-23 or HS-33, $12.00pr

#M-300 Inserts for HS-30, Unused, $4.00 pr

EMAIL US YOUR INQUIRIES AT FAIRRADIO@FAIRRADIO.COM

Plugs & Jacks

1/4" Connectors

1/4" STEREO PLUG WITH STRAIN RELIEF, NICKEL. Solder connections. Spring cable guide.
#CA022, 2 for $1.30; 4 for $2.20
As above except mono, #CA021, 2 / $1.50; 4 / $2.50

RIGHT-ANGLE 1/4" STEREO PLUG WITH STRAIN RELIEF, NICKEL. Solder connections.
#CA026, 2 for $2.20; 4 for $3.60
As above except mono, #CA025, 2 / $2.20; 4 / $3.60

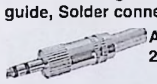
1/4" Mono Jack with strain relief, Silver plated, Spring cable guide, Solder connections. #CA035, $1.25; 4 for $4.40
As above except Stereo. #CA036, $1.15; 4 for $4.00

1/4" Mono Panel-Mount Jack, Open Circuit, #CA039, 2 for $1.30; 4 for $2.00
As above except Stereo. #CA041, 2 for $1.60; 4 / $2.80

1/4" Mono Panel-Mount Jack, Closed Circuit, #CA040, 2 for $1.20; 4 for $2.00
As above except Stereo. #CA042, 2 for $1.20; 4 forS2.

1/8" Connectors

1/8" Mono Plug with strain relief, Nickel, Spring cable guide, Solder connections. #CA003, 2 for $1.20; 4 / $2



As above except Stereo. #CA004, 2 for $1.50; 4 for $2.40

1/8" Mono Jack, Nickel, Spring cable guide, Solder connections.
#CA011, 2 for $1.50; 4 for $2.40
As above except Stereo. #CA012,2 for $1.50; 4 forS2.40

1/8" Mono Panel-Mount Jack, Mono / Close circuit, Solder connections, With insert switch, #CA015, 3 for $1.30; 10 for $3.29

RCA Connectors

NICKEL-PLATED PHONO RCA PLUG. Spring cable guide. Colored identification ring. Solder connections.

Boot color black, #CA063B, 2 for $2.85; 4 for $5.00
Boot color red, #CA063R, 2 for $2.85; 4 for $5.00

RCA JACK.
Boot color black, #CA064B, 2 for $2.85; 4 for $5.00
Boot color red, #CA064R, 2 for $2.85; 4 for $5.00

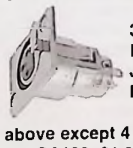
XLR Connectors

3 Pin XLR Nickel-Plated Long type. Solder connection. New,

3.2" long Jack, #CA096, $2.20 ea: 2/$3.80
2.8" long Plug, #CA097, $1.89 ea: 2/$2.99

Short Type version of above. New,
2.8" long Jack, #CA092, $1.89 ea: 2/$2.99
2.4" long Plug, #CA093, $1.89 ea: 2/$2.99

Short type version as above except 4 pin. New,
Jack, #CA102, $2.20 ea: 2/$3.80
Plug, #CA103, $1.89 ea: 2/$2.99



3 Pin XLR Panel-Mount Nickel Plated Jack. New,
Jack, #CA104, $1.89 ea: 2/$2.99
Plug, #CA105, $1.89 ea: 2/$2.99

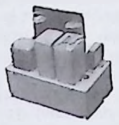
As above except 4 pin. New,
Jack, #CA108, $1.89 ea: 2/$2.99
Plug, #CA109, $1.89 ea: 2/$2.99

Toilet Seats

Olive Drab phone jack cover for various military sets.
#PJ-TS2-UN, Unused, $5.75

#PJ-TS2-U, Used, $3.50

ART-13 Parts



ART-13 CRYSTAL CALIBRATOR, provides 50 KHz fundamental using 200 KHz crystal. Sold with 200KHz crystal. Also 1000 Hz tone for MCW. Tubes 2/12SL7, 12SA7; 6x5x3, 4 lbs sh. #XCAL-ART-13, Used, $40.00

ART-13 PA Plate meter. #PMTR-ART-13, Used, $29.

Male connector fits DY-17, #U9, $40.00

Female connector fits ART-13 power, #U7, $64.00

Female connector for C-87 control box, #U6, $35.00

Male control connector for ART-13, #U8, $35.00

Female Connector Dynamotor Power for the ART-13 (substitute for U10). #U10, $46.00

Knobs for ART-13
Antenna loading 0-100, 200-100 #KN1-ART-13, $14.

Antenna tuning coarse Triangles marked 1-13 ccw. #KN2-ART-13, $10.00

Antenna tuning fine 100-0, #KN3-ART-13, $14.00

High Frequency tuning Triangles 2 - 18 mhz, #KN4-ART-13, $10

High Frequency tuning fine 0-99 over 360 degrees. #KN5-ART-13, $14.00

Small indexing dial from High Frequency tuning and also used on some of the plug-ins.
#D-ART-13, Unused, $5.50

T-bar locking bar for ART-13 tuning knobs.
#T-ART-13, $5.50

PAX Series Card

The DeviceNet Option Card (PAXCDC30) is designed for the PAX series of meters. It fits into the Comms slot of any PAX meter and allows the meter to communicate with a DeviceNet bus. The card supports Polling, Bit Strobe, and Explicit Message Commands. The MAC ID and the Baud Rate are switch adjustable via a DIP switch. A bicolor LED is used to indicate the meter's status in relationship to the bus. Made by Red Lion. #PAXCDC30, Unused, $24.95

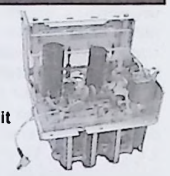
455 Khz BFO

PERMEABILITY-TUNED 455 KHz BFO COIL from R-392 receiver. Originally used with 5-55 pf variable capacitor but fixed cap may be substituted. Oscillation without parallel capacitor: 452-480 KHz. Good basis for BFO for any receiver with 450-465 KHz IF; w/ schematic. 3.3"Lx 1.5" dia,
1 lb. #BFO-T602/R392, Used, $21.00

ARC-187 Cards

ARC-187 Receiver RF/Modulator circuit cards removed from ARC187 for some TCTO. These two circuit boards were the heart of the transceiver. No schematics or hookup info. Mostly descrete components with some surface mount.
Each board is 4.5x4.2x0.8, 2 lbs sh. #CB-ARC-187,
Used good condition,
$15. both circuit cards.

RF Amp. / Preselector



Harris RF301/GRC-165 2-15 Mhz RF Amplifier/Preselector section contains V1 6DC6, V2 12BY7 which provide tuned grid/tuned plate amplification for the RF receive amplifier and the transmit driver. Band switch does not have detents, 14 1 mhz bands. 1/IERC 6025 and 1/IERC 5020.
Power required 200 VDC, -36 Vdc and 6.3 vac. An excellent basis for QRP set or experimentation. 6.3x6.5x6.7, 5 lbs sh. With schematic and info.
#RFA-165, $29.00; 2 for $52

5 MHz Standard

FREQUENCY STANDARD MODULE from R-1051* and RT-618* radios; usable as replacement or adapt to other need where standard is required. Crystal oven with 5 MHz crystal provides 5 MHz sinewave output (approx 1.8V) plus possible non-sine outputs dual 500 KHz, 1 & 10 MHz. Designed stability: 1 part in l0 / day. Requires 18-24 VDC input. 4.4x3x4.5, 2 lbs. used crystal only is checked, other outputs may need repair, #6625-078-4718, $35.00 w/ schematic

RF Exciter

RF EXCITER MODULE from1980's HF transceiver; mixes 500 Khz USB signal with synthesized frequency to produce and amplify modulated RF. Synthesizer (not available) supplied 74.5/75.5 (LSB/USB) and 77-105 Mhz depending on desired output frequency; RF output is low level. Requires +5, +12, -12, +28 VDC; with pinout. 1x7.8 x3.3, 2 lbs. #RF-EXC-1512, unused, no info, $29.

RF-550 Modules

Harris RF-550 HF receiver & RF-131 exciter modules ; 4.1x2.1 x5.9, 2 lbs sh. Used, As-Is:

#A2A8/RF550 High Band Phase Lock Loop. $44.00

#A2A14/RF550 Low Band Phase Lock Loop, $44.00

SCHEMATIC packets,
#SCH-(specify #), $10.00 ea w/module purchase.

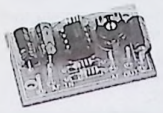
Infrared Device

INFRARED RECEIVER/DEMODULATOR as used in televisions and VCRs for remote control; has infrared detector and an IC for signal processing. Requires 5 VDC; 0.7x0.6x0.6, 1 lb sh.
#IFRD-TV, Unused, $2.00 each; 8 for $12.00

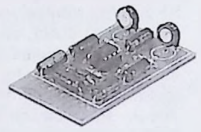
PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Velleman Electronic Kits

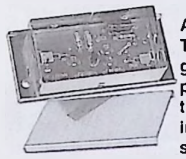
Kits require insertion and soldering of components! Pictures are shown after assembly.



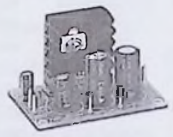
UNIVERSAL MONO PRE-AMPLIFIER. This kit has been developed as pre-amp for a number of audio applications where there is insufficient input signal. Applications as a microphone pre-amplifier or for level correction. Power supply: 10-30VDC / 10mA. Output impedance: 1Kohm. Adjustable output level: max. 40dB. Frequency range : 20Hz to 20KHz ± 3dB. Max. input signal : 40mV. PCB dimensions: 1.2" x 1.7". #K1803, $13.50



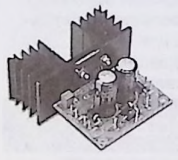
UNIVERSAL STEREO PRE-AMPLIFIER. Frequency range 40Hz - 30kHz (-3dB). Maximum input voltage 50mVrms. Adjustable gain 40dB max. Output impedance 1Kohm. Requires 10-30V DC / 5mA. PCB dimensions 1.7" x 2.6". #K2572, $19.30
Recommended Power Supply Kit, #K1823, $15.95



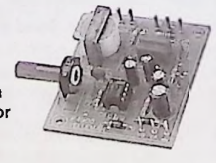
AM/FM ANTENNA AMPLIFIER. This amplifier provides 22dB gain wherever you need it. DC power supply directly or via the coax cable. Metal housing included. Gain: 22dB. Power supply: 12V to 15V / 3mA. Input and output impedance: 50 - 75ohm. Frequency range : 10MHz to 150MHz. Note: It is important to put the amplifier as close as possible to the antenna. 3.4" x 1.4" x 0.9". #K2622, $24.98



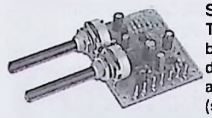
7W MONO AUDIO AMPLIFIER. This small amplifier is constructed around the TDA2003 IC, capable of delivering 4Wrms at 4ohms. The IC is completely thermally and short-circuit protected. A conventional direct current can be connected as supply. Music power output : 7W / 4ohm. RMS output: 3.5W / 4ohm or 2W / 8ohm. Total harmonic distortion: 0.05% (1W / 1KHz). Frequency response: 20Hz to 20KHz (-3dB). Signal/noise ratio : 86dB (A weighted). Input sensitivity: 40mV / 150Kohm. Overload and short-circuit protected. Supply voltage: 15VDC (8 to 18VDC possible) / 0.5A. 2.2" x 1.4". #K4001, $18.99



2 X 30W AUDIO POWER AMPLIFIER. This small amplifier is constructed with the TDA1521 IC, with a maximum supply capability of 2 x 15Wrms (4ohm) of 2 x 10Wrms (8ohm). The IC is thermally and short-circuit protected. Additional rectifier and smoothing filter are unnecessary, as alternating current can be directly connected to the unit. See our website for further specifications. 2.8" x 2.0". #K4003, $34.98

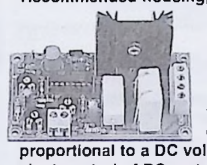


TELEPHONE AMPLIFIER. This telephone amplifier may be used as a free-standing amplifier with speaker, e.g. to listen to a telephone conversation, or the output may be connected to an amplifier or mixing panel (e.g. radio stations). Input - isolation transformer interface. Speaker output 0.5W / 8ohm. Line output 0dB (0.775Vrms). Requires 7 - 9V AC or 9 - 12V DC / 150mA. PCB dimensions : 2.5" x 2.1". #K4900, $17.98
Recommended housing, #G416, $10.60

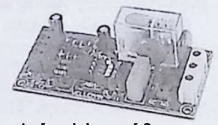


SIGNAL TRACER/INJECTOR. This signal tracer /injector has been designed to inject or detect a specific signal into an audio circuit in need of repair (such as amplifiers, radios, tone controls, ...) so as to detect the fault. In this way problems can be traced more easily. The signal tracer may also be used as a simple monitor or amplifier. Independent injector/tracer. Injector - 0-2.5Vrms output (adjustable), output impedance: 1.5Kohm, frequency: ± 1KHz. Tracer - 3.5mV to 10Vrms sensitivity (adjustable), gain: 40dB, input impedance: 50Kohm. Output power: 0.5W / 8ohm. Power supply: 7-9VAC or 9-12VDC / 150mA. PCB dimensions: 2.4"x2.1". #K7000, $29.95

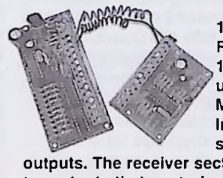
VOLTAGE DETECTOR this device locates house wiring within walls and traces wire to find a break. A flashing LED indicates when voltage is present. The flashing speed indicates how close the wire is, approx 3.9 inchs maximum. For audio indication you can add buzzer SV4/12-S. 9V battery (not included). 2.2"x2.5". #K7101, $15.50
Recommended housing, #G407, $6.40



DC TO PULSE WIDTH MODULATOR for control for DC motors, lighting, small heaters. Pulse width modulation (PWM) produces a series of pulses whose duration is proportional to a DC voltage. This allows for very efficient control of DC motors and other DC operated devices. Overload and short circuit protected. Input voltage 8 - 35 VDC output current 6.5A. Dimensions: 3.4"x1.9"x1.8". #K8004, $29.99



MULTIFUNCTION RELAY SWITCH. 15 functions including timers, switching, flashing, interval, random switching, ... Two pre-programmed delays. Learning mode for delays of 2s up to 12 days. Pushbutton control. EEPROM for delay time storage in case of power failure. On-board transient filter for the relay contacts. Suitable for control of incandescent lighting, halogen lighting, fluorescent lighting, fans, valves, buzzers,... Requires 9-12VAC or 12VDC. Max. load : 2.5A (275W / 110V). 3.4"x1.5"x1.0". #K8015, $28.98
Recommended housing, #G410, $7.00



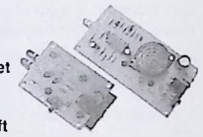
10-CHANNEL, 2-WIRE REMOTE CONTROL. Control 10 devices using only 2 wires up to 55 yards apart. Microprocessor controlled. Inputs can be push-buttons, switches or open collector outputs. The receiver section provides 10 open collector outputs that control relays directly. Terminal block connectors for all input and output connections. All outputs are provided with LED indication. Can be used with: K6711, K8000RS, K8006, or relay cards: K6714, K6714-16. 10 open collector outputs : 50V / 100mA. Requires single 12-15V AC or DC, 300mA. Dimensions: control pcb : 2.7" x 2.0" x 0.6"; receiver pcb: 4"x2"x1". #K8023, $42.98

3 WATT MONO AMPLIFIER. Small but powerful amplifier suits a wide range of applications such as: microphone amp, for doorbells, intercom, sound effects, earphones, radio receivers, PC sound card, musical instrument, etc.. 3 Watt RMS. Freq range: 50Hz - 20KHz. Gain: 32DB (40X). Short circuit & thermal protection. Requires 6 - 15VDC. Current consumption 500ma max. 1.6"x1.9". #K8066, $16.80

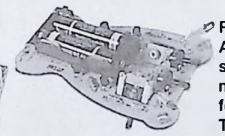
SIGNAL GENERATOR. Signal output: sine wave, triangle, square wave and integrator (selectable through jumper). Signal frequency: about 1KHz (fixed). Output level: adjustable from 0 to 100mVrms (LEVEL potentiometer). Requires 9V battery (not incl.). 2.2"x1.6". #MK105, New, $6.80

WATER ALARM. Gives alarm sound when water is detected. Incorporated alarm buzzer. Water sensor can be placed at a distance by cutting the board and using wires to connect the sensor. Requires 9V battery (not incl.). 1.8"x2.8". #MK108, $5.60

INTERVAL TIMER. For intermittent operation of circuits and equipment. Blinking light, video/photo single frame shooting, slide projector control, miniature models. 3A/24V output relay with dry switch-over contact. Pulse time adjustable: between 0.5 and 5 sec. Pause time adjustable: between 2.5 and 60 sec. Power supply: 12Vdc / 100mA. 1.6"x3.4". #MK111, $6.00



IR LIGHT BARRIER. Applications: announce visitors, warn against burglars, set boundaries, for science projects,... Audible (85dB) and visible (LED) alert. Range 3.3ft to 13ft. On/off switch provided. Requires - Transmitter: 9V DC / 50mA max; Receiver: 9V DC / 20mA max. 9V battery holder and adapter jack included. Transmitter: 2.2" x 1.6". Receiver : 3.9" x 2.0". Not for outdoor use. #MK120, $9.60



RUNNING MICROBUG. Attractive bright colored bug-shaped miniature robot. The microbug is always hungry for light, it drives towards it! Two open chassis sub-miniature motors. Adjustable light-sensitivity suits almost any light condition and allows to control it's 'bug-like' behavior. LED 'eyes' indicate driving direction. Stops in total darkness. Requires 2 x 1.5V AAA batteries (not incl.). 4.0" x 2.4". #MK127, $12.20

QUIZ TABLE. Up to four players can compete. LED indicates first button pushed. Quizmaster 'RESET' -button with 'button pushed'-indication. Two units can be daisy-chained for eight-player-fun! With on-off switch. Requires 9V battery (not included). 4.3" x 3.1" x 1.1". #MK133, $12.20

CLAP ON/OFF SWITCH, Operate your lighting with a simple hand-clap. Ideal for disabled or elderly people. Good immunity against surrounding noises. '1-clap' or '2-clap'-mode selection. '2-clap'-mode features built-in safety turn-off timer (5h approx.). Output relay 'pulse' or 'toggle' selection. Microprocessor controlled. Output relay with LED-indicator . Requires 12V DC / 150mA. With DC adapter socket. 3.1" x 2.9" x 0.9". #MK139, New, $19.90

DUAL SUPER BRIGHT FLASHING RED LIGHTS. Two super bright red LEDs. Powerful flash effect for emergencies, warning signs, as eye-catcher, 'alarm-active' - simulation, etc O 'Auto turn-on at dark' - mode with adjustable sensitivity. On/off switch. Requires 9V battery (not included) (12V possible). 2.2"x1.3"x1.6". #MK148, $9.20

MANY MORE KITS AVAILABLE AT fairradio.com/kits.htm

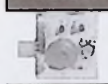
ARC-5 Parts

SCR-274/ARC-5 COMMAND SET replacement parts:
#7277 6-9.1 MC 1st IF, $7.50
#7279 " " 3rd IF, $7.50
#5856 " " oscillator $7.50
#7249 5.3-7 MC BC-458/T-21 xmitter PA coil,used,$9.00

Discriminator

PHASE & LOAD DISCRIMINATOR determines if load is <, >, or = to 52 ohms; also if R, C, or L. 3rd output relative to antenna current; with schematic. 2x3 x3, 2 lbs. #T201/180L, $13.00

Noise Activated Switch

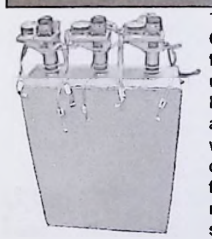


NOISE-ACTIVATED SWITCH with sensitivity adjust and mic; 6 VDC input, 2"x2". #54-91, $2.25 ea; 7 for $12.00

Cavities

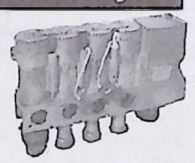
Western Electric 1012A 475 - 525 Mhz cavity. Two type N connectors. 11.5x6.2x6.1, 10 lbs sh. #CAV1012A, Used good condition, $35.00

135 MHz Tunable Cavity



118 - 135 Mhz Tunable Cavity. This is a large three section cavity for use in the range 118 to 135 MHZ. No specifications available. Those of you who know about cavities could probably modify it for other frequency ranges. This unit has stepper motor and encoder on each section. Bodine Hysync DC Stepping Motor 23X1BEHD Caltech Corp Bit encoder 8 bit Absolute 33X121. No info on circuit to use these motors, but you can manually tune the cavities or design your own control circuits. 8.3x26.5x42.9, 70 lbs sh.
#TC-135, Used excellent condition, $130.00

900-1100 MHz Cavity



TRANSMITTER TRIPLER / PRESELECTOR CAVITY MODULE from TACAN system in 900-1100 MHz range. Consists of preselector and four silver-plated cavities originally gang-tuned using ball-chain drive (not available) 10x7.5x2, 7 lbs sh. #4-CAV-93, used, $67.00

Triplexer

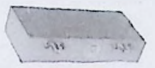
TRIPLEXER from cellular application by Fuji Electrochemical Co. #EF-T02, Frequencies are as follows - Transmit: 835MHz, Receive: 880MHz, Lo: 784.36MHz. Has female push-on SMA connections for Transmit, Receive, and Lo and a female TNC connection for Antenna. Cast aluminum housing with a removable cover. o/a 4.3x1.5x0.8, 2 lbs sh. Appears to be unused, #EF-T02, $6.00

850-895 MHz Modules

Modules from digital air to ground phone system. Receive frequency was approx 850 MHz and transmit 895 MHz. Removed from equipment-Excellent:

DITCOM MICROWAVE DF-2575 CIRCULATOR for 850-895 Mhz; 500 watts CW max, 3 KW peak. Isolation 20 DB min; Insertion loss 0.3 db max. VSWR 1.25:1. Two SMA, one N conn; 1.4x1.7x1.3, 1 lb. #DF-2575, $21.00

FERROCOM 9K15-S CIRCULATOR, 840-900 MHz; T-shape SMA-N-SMA conn. No further info; 1.9x1.9x1. #9K15-S, $21.00



MILCOM 2-WAY COMBINER for 800 MHz, 2- SMA female & 1- male connections; 1.8x2.8x2, 2 lbs. #240-089, $27.00

800-900 MHz Modules

MODULES & COMPONENTS from airline phone system operating in the 800 to 900 MHz range:

#IFPC COMMON module has two receiver input and two transmitter output sections. Has parts two each of Motorola filter 0850E05140 and 0895E05141, M/A- COM 7N526-6016 circulator in one section. Also 47.5 MHz local oscillator, 5 MHz piezo osc and IC's N80C169KB 16 MHz CPU, 27C256-20 32Kx8 EPROM, 3/84256-10L 256Kx4 RAM & related IC's. Requires +28, +12, -12 V; 11x6.5x3.2, 7 lbs sh. #IFPC, $23.00

#IFPC-T/R MODULE, stripline receiver RF/IF and low power xmitter boards plus oscillator/AGC board each in separate cavities. Components S80C652-1 MPU, 2/84256A-10 RAM, 27C256JL E-PROM, two Sony 20102A D/A CONV, etc. Requires +12, -12 +5 VDC; 11x6.5x1.5, 5 lb. #IFPC-T/R, $18.00

#AFF-PS MODULE, powered both above modules; has switching supplies Calex #24S12 (24 VDC in to 12 VDC 1.7 A out) and #12S5 (12 VDC in to 5 V 400 MA out); two RO Assoc 220-400 VDC input uVERTERs with one 28 VDC 10 A out and other 12 VDC 10 A out; and Vicor DC-DC Converter 250 VDC 35 W in to 5 VDC 25 W out. Also flat heatsinks, capacitors, etc. 11x6.5x3.3, 7 lb. #AFF-PS, $15.00

8-12 GHz Oscillator Assy

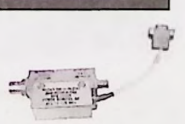
8-12 Ghz Oscillator assembly from some Gigatronics device. Federal Stock Number is 6625-01-191-1980. The assembly consists of an Avantek YO85-2218 8 - 12.4 Ghz oscillator and a Virtech VX-8012 Circulator or Filter??? 4 lbs sh. #101CA15400, Unused, $99

Wavemeters

p/o AM-1956/ GRC-50 Rx/Tx 1350.5-1849.5 MHz FM oscillators; cal book for tuning CHN #, MAIN TUNE, OUT FREQ, & REC OSC. BNC connections; 3x3x9, 5 lbs sh. #WAVE-1956, Used, $25.00

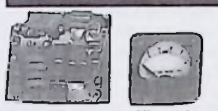
1700-2600 MHz WAVEMETER, 20-turn vernier tunes in increments of 1. BNC connections; 1N21 diode output. On 3.5"W bracket; o/a 4.8"Hx2", 2 lbs sh. #SMD-302123, used, $35.00

Bird Power Monitor



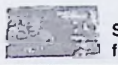
BIRD 4162D RF POWER MONITOR, rated 220-405 MHz 40 W. Measures incident and reflected power; VSWR 1.1:1 max. Usable over 145-500 MHz. Output 100 ua @ 5K ohm. RF connectors; output C, input BNC. DB-9 for DC outputs. 1.8x4x1, 1 lb sh. #4162D, NEW, $27.00

SWR Indicator Circu



STANDING-WAVE F
INDICATOR CIRCUI
assemble a SWR m
using this 1.8" squ
10 scale (FS=2 ma)
with filters, rectifiers & modified Schering bri
One pair of bridge arms is resistive, the othe
capacitive. Circuit is balanced when antenna
tuned to 52 ohms resistive resulting in "0" re
on meter. Bridge: 2.5x 2.3x1, 2 lbs sh.
#M701/CU-991, Used, w/info, $23.00

SWR / Discriminator pull out from AM-3349/GRC-106 Amplifier which covers 2-30 MHz at 200 Watt AM and 400 Watt PEP. Has two R/A mini BNC connections and a 15 pin DB connector with 15 pin mating connector. 3.2x2.6x2.2, 2 lb. w/ schematic. #SWR-3349, $14.00



SWR BOARD for HyGain radio;
further info. #PTSR006AOX, $2

VHF Doubler Modu

A9 5820-00-411-1472 VHF DOUBLER BUFFER MODULE 116 - 150 MHZ Circuit consists of doubler, buffer and level/gain control. transistors are 2N4072 doubler, 2N5109 buffer, 2N2222 gain control amp. Power required +20 VDC. W/schematic. 6.75 x 3.75 x 1.5 overall 2 lbs sh. #Doub21-1472, $14.95

TRANSISTORIZED CR
OSCILLATOR and BU
56 to 99 Mhz with 75
perature controlled o
Requires 5th overton
(20 pf) crystal (not supplied). Has external o
tor input plus tuning meter & oven output.
Requires 12-18 VDC regulated for oscillator;
VDC 1 amp for heater. W/BNC and SMA RF c
tions; DEC-9P plug for power. Part of GRT-2
xmitters. 6.5x2x3.3, 3 lbs sh.
#OSC-8004290G1, used with Schematic, $12

S-Line Mechanical Fi

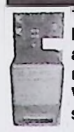
Circuit Board with #526-9310-009 mechanical filter model F455Q3. This "Y" style filter will fit S-Line equipment. 100K ohm in/out impedance. 3.5dB bw is 18kc, 70dB bw is 70kc. IF frequency of the filter is 455KHz. The circuit board also has two 5636 sub-mini tubes and
ous resistors and capacitors. No further inf
circuit board. 3.9x3.5x0.8, 2 lbs sh. #CB-M
Used, $18.00

Cubic R3030 IF Sec

FIRST IF SECTION
CUBIC FRONT EN
CONVERTER AMP
FROM CUBIC R30
RECEIVER.
This module was
gain and first conversion module in this pre
receiver. First conversion used LO 40.455 -
Mhz, and second conversion used fixed LO
40.455 Mhz to produce the IF output of 455
These oscillator signals came from another
which is not available. This module has the
seals on it and is in excellent condition. 4.2
3 lbs sh. #2140-1102, $92.00

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

10MHz Crystal Oscillator



10 MHz Crystal Oscillator and Oven by Hewlett Packard. Power required +12VDC and 24VDC for oven. Tested for output, may need adjustment. Removed from equipment. With info. 3x3x2 on 5x2.6 board. Minor rust spots. 3 lbs sh. #10811-60111, $89.00

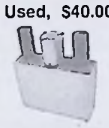
As above except #HP-10544A, $69.00

RF Cable fits board and has BNC female connector. #CRY-OVN-CBL, $6.00

Collins Modules

1 Mhz James Knights Modulator Crystal Oscillator plug in module. Output drives locked divider tubes to produce 500khz, 250khz, 100khz. Crystal oscillator module requires 28 VDC. 250 VDC and filament voltages also required for divider circuits. With tubes 5/6021, & 5636. With schematic. 3 lbs sh. #MCO-ARC38, Used, $29.00

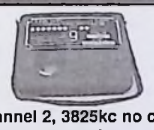
Collins 250 Khz IF assembly from ARC-38 transceiver. Has mechanical filters. F250A65 and F250Z4. Two 250Khz IF transformers. Tubes 5814, 3/5749, 5726. 3 lbs sh. #IF-ARC38, Used, $40.00



250Khz Crystal Oscillator w/oven. 2/5749 tubes. #CO-250, Used, $13.00

500Khz Crystal oscillator w/oven. With tubes 5654 & 5814. #CO-500, Used, $21

BC-746 Tuning Units



BC-746 Tuning Units for the POGO STICK radio BC-745 / SCR-511 radio. We have the folowing:

Channel 2, 3825kc no crystal #746-2-NC, $14
Channel 4, 4845kc unused w/ crystal #746-4-NC,$14
Channel 9, 3655kc used w/ crystal #746-9-WC,$21
Channel 11, 4780kc no crystal #746-11-NC, $14
Channel 12, 5030kc no crystal #746-12-NC, $14
Channel 13, 5700kc no crystal #746-13-NC, $14

Hardware

HARDWARE ASSORTMENT of washers, screws, nuts, rivets, terminals; 2 lbs sh. #HWA-2, $3.00

Dual Banana Plug - Red. For standard banana jacks.
#CM13R, 2 for $3.20 ea; 4 for $5.50
Dual Banana Plug - Black.
#CM13B, 2 for $3.20 ea; 4 for $5.50

DUAL BINDING POST RED/BLACK. For standard banana plugs. Distance between connectors is 0.79". Drill hole is 0.15" (x2). 1.5" x 1.3".
#CM14R, New, $1.59; 3 for $4.32

As above but gold plated contacts. #CM15R, $2.19; 2 for $3.99

BINDING POST for Banana plug. Length is 1.7". Drill hole is 0.3". Black color, New,
#CM3B, 2 for $1.50; 4 for $2.60
As above but Red, #CM3R,2 for $1.50; 4 for $2.60

BANANA PLUG. Solder connections. Length is 1.7". New. Black color,
#CM9B, 5 for $2.25; 10 for $4.00
Red color, #CM9R, 5 for $2.25; 10 for $4.00

As above but gold plated.
Black color, #CM10B, 2 for $1.50; 4 for $2.60
Red color, #CM10R, 2 for $1.50; 4 for $2.60

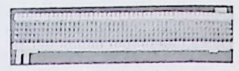
HEX SPACERS

male-female thread or female-female (f-f) :
#HEX-(thread)-(length)

Length	per 20	per 100
4-40 threads 1/4" dia metal		
1.375	$7.50	$22.50
6-32 threads 1/4" dia metal		
0.375	$4.00	$14.00
0.625	$5.00	$17.00
0.75	$5.25	$17.50
1.5 (f-f)	$6.00	$19.50
1/4"-28 threads 7/8" dia:		
2.87	4/$5.00	20/$19

TERMINAL STRIP with 28 silver-plated 0.8"Hx0.4" dia spring push-down binding posts on 15.3x3.9 x0.4" thick black phenolic board. Phenolic may have minor chips; 4 lbs sh. #TM-184-PT, Used, $27

Two Row Industrial Terminal Strip. 10-32 screws. 2.25x1.75 x0.75, 1 lb sh. #INDTRM-2, Unused, $1.95



Telephone Push Down Terminal Strip Connecting Block. 200 terminals (4 rows of 50 terminals). Mfg by Reliable Electric. 12.4x2.7x1.3, 3 lbs sh. #R-66CB1, Unused, $8.75

AUGAT single 8-terminal PC mount: 2"Lx0.6"W: #4PCV-08, 10/$10.00

VARIABLE TERMINAL STRIPS, pairs removable to decrease or increase length. #GE-V12-TERM,12 terminal pair 1.3Hx8.3Lx2"W, $4.00

Wire Terminal Assembly by Reliable Electric #5591, Unused, $3.50

SHOCK MOUNTS you bolt to equipment.

STYLES: A B C

#SM-4A,	4 #,	$1.50	#SM-6B,	6#,	$1.50
-9A,	9#,	$2.00	-12A,	12#,	$2.25
-12B,	12#	$2.50	-15B,	15#,	$2.75
			-50C,	50#	$4.00

Copper Flexible Coupling. 3/8" to 1/4".
#COUP-COP, $10.00

Military Speakers / Amps

LS-3 Permanent Magnet Loudspeaker. Made by Best. Used with BC-189, BC-312, BC-314, BC-342, BC-652. It can also be used with the BC-224 and BC-348. Mounted on the speaker is an 8000 ohm to voice coil matching transformer. Has a JK-33 input jack which mates with PL-68 plug. 6" diameter speaker mounted in a 8" x 8" x 4.8" housing. Most have 1952 contract date. Some rust NOS, Smooth satin black finish. 14 lbs., #LS3-SMOOTH. $58.00

LS-3 Best Mfg, WW2 194X contract date, as above with black crinkle finish. Some rust, NOS. 14 lbs sh., #LS3-CRINKLE. $79.50

4"Speaker, ruggedized 8 ohm 2w perm. magnet type; 300-7khz resp. p/o of LS-166; 3 lbs. #LS-445, Used $12.00

AM-6747/V Amplified Speaker for monitoring audio of R-442, RT-246/524 radios from remote location. Connection for H-189 or H-250 handset to allow remote keying of transmitter. Requires 28 VDC; can be modified for 12 VDC. Similar to AM4979; 5.6x5x3 + 2" top bolt; 6 lbs. #AM-6747, Unused, $50.00

AM-4979/GRC, similar to AM-6747 but has 6 ft cord with U-229 plug. #AM-4979, Used need work, $20

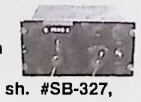
Control Boxes

C-375 Control box for radio sets GRC-3--8 or VRC-8--10. Unit is a remote junction point and switching unit for the control and audio lines to two sets. 3.2 x 6.8 x 7, 6lb, #C-375, Unused, $30.00

C-2742 VRC Remote Control Box works with the RT-246. 3.3x6x4, 4 lbs. #C-2742, Used, $35.00

C-434 Local Control for GRA-6 system, Allows remote control of radio by field phone and wire. #C-434-U, Used, $38.00
As above except. #C-434-GR, Gov't Recon. $58.00

C-435 Control box, Used to duplex two GRC-3-8 LOCAL CONTROL p/o GRA-6, #C-435, Used, $26.00



SB-327/ARC CHANNEL SELECTOR 24-51.9 MHz FM in 100 KHz steps on 3-digit counter; used with RT-294/ARC-44 Tx-Rx. 3x5.8 x4.5, 3 lbs sh. #SB-327, used, $40.00

SWITCH BOX, #SA-474, $14.00

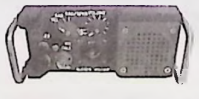
BC-631 Remote Control Box for the SCR-522 radio set.
#BC-631, Unused, $14.00

RM-52 REMOTE CONTROL for radio and intercom set. Has transformer, mic & phone jacks. Source for "Macy's Phone Patch" project. Less terminals. 7.3x3.5x5, 5 lbs. #RM-52-RUSTY, Used rusty, $6.00
#RM-52, Used nice conditin, $25.00

C-11291 Control for Sincgars Radio PRC-119. 4.6x5.9x4, 5 lbs sh.
#C-11291, Used, $67.00

GRA-39 Control

C-2329 Local Control from the GRA-39 control group. Has a mic amplifier gain of 55 db and a microphone pre-amplifier output of 5 mw. 8.8x8.9x4, 12 lbs sh.
#C-2329, Used, $80.00



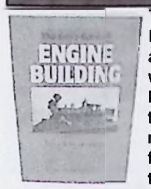
C-2328/GRA-39 Control Front Panel with electronic components only.
#FP-C-2328, Unused, $115.00

#H-250-U Handset Used with broken clip, $46.00

GRA-39 Manual Repro, #MM-GRA-39, $21.00

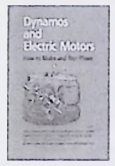
CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

Various Books



The Boys Book of Engine Building, How to make steam, hot air, and gas engines and how they work, told in simple language and by clear pictures. Easy to read text that will show you the fundamentals. Chapters include: the first engines, two simple steam turbine engines, a simple piston steam engine, a 1/24 hp horizontal steam engine, making small boilers, fittings for model engines, a model Atlantic type locomotive, steam - the giant power, a hot air or caloric engine, a 1/8 hp gas engine, and more. You're told how to make the patterns for the castings. 1918 book. 261 pages. #23489, $12.95

Windmills & Windmotors, different types of turn-of-the-century windmills. Build a model tower windmill like those in Holland, a power-producing windmill with 3' diameter sails, a 6' diameter windmill capable of driving a 30 watt dynamo, a 10' diameter windmotor. Drawings show how the all-wood machine is built, and how metal gearing brings the power down to ground level. 88 pages. #4279, $6.95

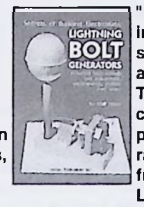


Dynamos & Electric Motors, How to Make Them and Run Them. Chapters include: the Siemens dynamo, the Gramme dynamo, the Manchester dynamo, the Simplex dynamo, calculating the size and amount of wire for small dynamos, ailments of small dynamo-electric machines, small electric motors without castings, how to determine the direction of rotation of a motor, how to make a shuttle-armature motor, fifty-watt undertype dynamo, and a four-hundred-and-forty-watt Manchester type dynamo. Some of the motors and dynamos are small table-top machines which would make great experimental projects. Lots of illustrations. 160 pages. #22539, $9.95

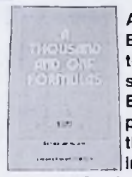
Dangerous Electricity! Collection of articles on high voltage and high power machines from Mechanics & Electricity Magazine and Modern Electrics Magazine before 1914. A Tesla coil you could build 18" high and 5" in diameter. Construction of a Tesla coil with a secondary wound on a glass jar. How to build a high-frequency resonator, an X-ray set. Insulating wire, building a spark gap, a motor-driven mercury interrupter. Articles on high frequency electricity, a carbon-arc furnace, a coil winding jig for secondaries, and a water rheostat. 64 pages. #23411, $6.95

Aviation 1910, "The Practice and Theory of Aviation" by Grover Loening. "Recent Progress in Aviation" by Octave Chanute. Two articles about early plane engines. Technical details of airplanes of 1910; simple scale drawings of the Farman, Doy, Wright; info on control surfaces, landing gear, engine horsepower, controls, the frame. See the Wright brothers, Santos-Dumont, DeLagrange and others in flight. Listing of significant flights made by all pilots from the Wright brothers in 1903 to Hubert Latham's flight at Mourmelon, France in 1910. Details on 2 new Wolseley engines built for airplanes and an engine competition held in October 1909 and how unreliable the entrants were, you'll know the early fliers risked their lives every time up. 64 pages. #23470, $8.95

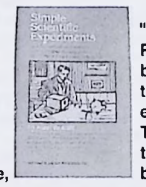
Electrical Things Boys Like to Make, Fifty years ago boys made these projects: from a door-bell and night light to a corn popper, crystal set, and toy motors. Get thirty three projects illustrated with detailed drawings and photographs. Basic construction techniques such as coil winding, soldering, building a punch jig and the use of hand tools, more. Build a crystal set or motors, help a child to build an interesting project and stimulate their interest in technology. 205 pages. #23241, $11.95



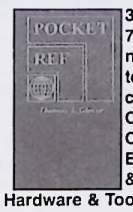
Secrets of Building Lightning Bolt Generators - Walt Noon will explain the experiments he has run, the problems, the solutions, how to build low cost generators from parts on hand. In addition, build simple static machines, van de Graff generator, dirod generator, Pogeendorff corona motor and much more. 91 pp #BK-SCRT, $8.95



A THOUSAND AND ONE FORMULAS. Back in 1920 people were hot to set up their own laboratories and invent something and become rich. Experimenter Publishing Company published books and magazines to wet their appetite. They reprinted the best information from the magazines in this book. Get formulas on cements and glues, metalcraft, photography, chemical lab hints, mechanical lab hints, electrical lab hints, and many more. Fun and interesting read. 160 pp. #BK-1001, $9.95



SIMPLE SCIENTIFIC EXPERIMENTS. Describes 46 instructive experiments in electricity, magnetism, hydraulics, hydrostatics, light and acoustics. From a century ago. Build a model hydraulic ram, accoustic fountain, flour explosive, manufacture of gas, static electric motor, cheap x-ray tube, electromagnetic gun, pea suspended in air, HF currents, decompostion of steam with induction coil, fiery or flaming vortex ring, thermo-electric currents and more. Simple, fun experiments. 69 pp #BK-SIMP, $8.95

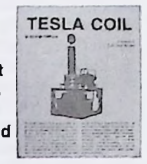


3rd Edition Pocket Reference. Over 750 pages of information for engineers, do-it-yourselfers, travelers, teachers, & students. Example of contents: Air & Gases, Automotive, Carpentry & Construction, Chemistry, Physics & Math, Electronics, Electrical Wire, Motors & Frames, Science & Geology, Hardware & Tools, Plumbing & Pipe, Weights & Property of Materials, Welding, Over 3500 Conversion Factors, and MUCH more!! 3.2"W x 5.4" H, #BK-POCKET, New, $12.95

TELEPHONES & MICROPHONES. You get details on building simple telephones. And that in itself is an interesting little experiment in electricity, metal working, and woodworking. Also, get the details of building carbon mics, and magnetic earphones. You get details on wiring them up into working telephone system with batteries, bells, ringing key, induction coil and more. If you're looking for a science project or want to build your own radio equipment, or even build a replica of an early telephone. 80 pages. #BK-TELE, $7.95

Tesla Books

"Tesla: The Lost Inventions", Here are the suppressed inventions of Nikola Tesla. His later inventions, have never been utilized as Tesla intended despite their potential for advancing technology of modern civilization. Among these inventions: high-frequency lighting, the magnifying transmitter, a radical high-power radio, and many more. 42 illustrations. #BK-TLOST, List price, $7.75; Our price, $6.95



"Tesla Coil", You'll find a wealth of information on one of the best-kept secrets of electric technology, plus all the facts you need to build a Tesla coil on any scale. A well-tuned coil's output is harmless but can perform amazing tasks. Light your home, farm, or ranch at a fraction of the usual cost. Build a powerful radio transmitter. 26 illustrations. #BK-TCOIL, List price, $7.75; Our price, $6.95

"Son of Tesla Coil", Can Tesla coils do real work? Can they power an alternative fluorescent lighting? Build a "third generation" Tesla coil. Discover the magic of oil immersion, of close coupling, and of precise pulsing. Learn how to drive a Tesla coil from low-voltage battery power. Build a solid-state pulse generator and a Tesla lighting plant. Can battery-powered Tesla technology aid us in the next big blackout? Will Tesla be the next big step forward in home power? 40 illustrations. #BK-TSON, List price, $7.75; Our price, $6.95

"Radio Tesla", The Secret of Tesla's Radio and Wireless Power. This booklet details the radical radio technology of Nikola Tesla. Early elemental wireless devices like Tesla's and many others shown in this booklet are worthy of study because they remind us that powerful radio technologies can be so simple and accessible. Modern radio took a lot from Tesla, but what did it ignore? Also in these pages: grounding rediscovered, the suppression of amateur radio, radio-free energy and much more. 66 illustrations. #BK-TRADIO, List price, $12.75; Our price, $11.50

"Tesla: The True Wireless", In Nikola Tesla's own words, this is the inventor's final published statement on how radio, at the radical, really works. He insists that the amount of energy that can be transmitted is "billions of times greater" than conventional radio would allow. Can we transmit electric power to our homes and workplaces without wires? Can the unsightly and fragile grid come down? Tesla says Yes. 21 illustrations. #BK-TTRUE, List price, $9.75; Our price, $8.95

Building the Tesla Turbine. Get instructions in the form of detailed photos and drawings showing how to construct your very own Tesla turbine. Not an exact replica of the original, but one that has been simplified, making it much easier to build. The model measures 3-1/2"W x 6"D x 4"H. Generates impressive power. Rotates at speeds in excess of 5000 rpm at 80 psi of air pressure. Has the capability of running either clockwise or counterclockwise at these speeds. 48 pg. #1573, $9.95

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Old Radio Books

CRYSTAL RECEIVING SETS, How-to guide on building crystal sets and their components. Chapters include a simple and efficient receiving set, a single slider set, set with semicircular tuner, crystal set with tapped single coil, a loose-coupled set, set with plug-in basket coils, combined crystal and valve (vacuum tube) receiver, some miniature receiving sets, crystal circuits, how crystals work, making a buzzer, receiving CW signals on a crystal set, making a wavemeter from a crystal set, converting low-resistance phones, and the morse code. 125 pp #BK-CRY, $10.95

IMPOVERISHED RADIO EXPERIMENTER VOLUME 1, Contains tricks, tips, and secrets to help the builder of simple radios and electrical gear achieve high performance at minimal cost. Also: vacuum tube substitutions; inexpensive tube power supplies; grid leak detectors; regenerative receivers and more. 48 pp; #BK-IMP-1, $5.95

IMPOVERISHED RADIO EXPERIMENTER VOLUME 2. Contains information on building a grid dip oscillator, a shortwave converter, a slow motion dial drive, space-wound coils and more. 48 pp #BK-IMP-2, $5.95

IMPOVERISHED RADIO EXPERIMENTER VOLUME 3. Contains information on building an impedance bridge, a one-tube SW receiver, a headphone amplifier, old-time radio cases and more. 48 pp #BK-IMP-3, $6.95

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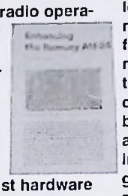
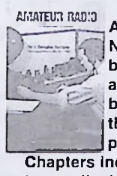
The Impoverished Radio Experimenter Volume 6, Build a loose coupler. An early form of a doubly-tuned RF transformer. Learn how to use a commonly available transformer to get high voltage for tube plates. Simple, low-cost regulator that will turn any power supply into a rock-solid performer. Build several loop antennas. Take a loop antenna and turn a basic Franklin oscillator circuit into a regenerative receiver for AM bands and lower. Take an oscillator circuit and turn it into a receiver by attaching filters for the various signals. Get notes on amateur band code transmitters from past QST articles. Schematics & basic info on single tube AM band transmitters. 48 pages. #BK-IMP-6, $6.95

Shortwave Receiver Chapters and more from Frank Jones' famous book "The 1936 Radio Handbook", Filled with diagrams, schematics, and photos of receivers, tube specs, test equipment, and more. Perfect for the radio builder, collector, restorer, or amateur radio operator. 46 pages. #23608,$5.95

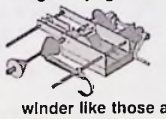


Enhancing the Ramsey AM-25, Build an AM transmitter by enhancing an affordable commercial flea-power kit into a carrier-current workhorse. While audio technology is everywhere, broadcast hardware is hard to find. The AM-25 is a Ramsey kit selling for under $100. Billed as a "professional synthesized AM transmitter," it's really just an intelligent milliwatt oscillator. Built by the book, it is no workhorse. Here are some suggestions for converting the AM-25 into a reliable rig for continuous running at practical levels of power. Recommended is carrier-current broadcasting over the power lines, a little-known mode, legal under Part 15. In this booklet, you learn how to enhance the AM-25 by tweaking all of its power functions and by adding a touch of Tesla technology in the rig's final stage. #BK-AM-25, List Price, $9.75; Our Price, $8.95

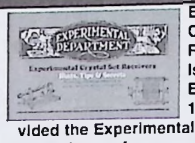


AMATEUR RADIO BEGINNERS GUIDE, Learn how to build a regenerative receiver and a crystal controlled breadboard cw transmitter that will allow you to talk to people all over the world. Chapters include: introduction to amateur radio, learning the code, receiver theory and construction, crystal oscillator transmitter, two-stage transmitter, three-stage transmitter, construction of modulator for three-stage transmitter, and reference. 155 pp #BK-AMA, $9.95

Radio Pioneers, Published in 1945 by the Institute of Radio Engineers (IRE) as a keepsake for their Radio Pioneers Dinner in Nov. 1945. You get a history of the IRE from it's beginning in 1908 with photos of John Stone, Robert Marriott, Pickard, Kennelly, Pupin, Pierce, Langmuir and others. Pictures of early tubes, Poulsen in his lab, Marconi parabolic reflectors, a Fessenden alternator. The history is brief, fast reading, but informative. You'll meet the personalities and discover what they did. Then you can go digging for more information about those topics that sound most interesting. 64 pages. #23462, $8.95



BUILD A UNIVERSAL COIL WINDING MACHINE. Shows how to build a coil winder like those available in electronics catalogs years ago from common, easily-obtained materials. This amazing machine will professionally wind universal and honeycomb coils, single layer and multilayer solenoids, close-wound and space wound coils, and even pi-spaced coils such as used for RF chokes and transformers. Loaded with illustrations, dimensions, and step-by-step text. 24 pp #BK-WIND, $8.95

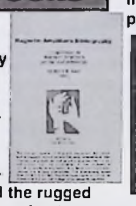


Experimental Crystal Set Receivers Book, Issues of Modern Electrics from 1911 and 1912 provided the Experimental Department where letters from experimenters were reprinted. Here you get the best of those letters. Illustrations of a wide variety of make-shift equipment that was being fabricated by impoverished experimenters. This isn't so much about crystal set circuits as it is about building the components needed. You get ideas on building coherers, variable and adjustable condensers, sliders for tuning coils, making a universal detector, galena detectors, and much more. 48 pages, #23276, New, $6.95

1935 Official Short Wave Radio Manual. The most important developments in short-wave transmitter and receivers are covered in this new edition of the manual. Contains wiring diagrams and the values of the various condensers, resistors, etc., of all the principal short-wave receivers. Plenty of articles on small receivers and transmitters which can be built at a small cost. 240 pp, #BK-1935, $18.95

Mil Spec Radio Gear Volume 2. By Mark Francis, KI0PF. This high quality comb bound volume features very sharp images on high quality paper. The book is jam packed with valuable information on HF Manpack/Portable Radios, HF Mobile Radios, HF Fixed Radios, VHF Manpack Radios, UHF Manpack/Portable Radios, Ancillary Equipment, Audio Accessories, Test Equipment and Specialized Equipment. 252 pages, #MSRG-2, $24.95

Mag Amp Books

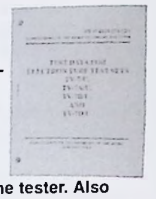


"Magnetic Amplifiers", Magnetic Amplifiers Another Lost Technology by the U.S. Navy (1951), edited by Trinkaus. First came the vacuum tube, then the transistor, right?. Not really. In between there is another lost entity. Electronics engineers of the 1950's believed the rugged little magnetic amplifier was going to replace the fragile vacuum tube in all its functions under a megacycle. The mag amp not only can regulate but can magnify, modulate, switch, pulse-generate, invert, convert, multivibrate, phase shift, and multiply. Modulate your Tesla coil with a mag amp. 43 illustrations.

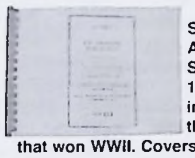
"Magnetic Amplifiers Bibliography", A supplement to Magnetic Amplifiers. Most of the citations are of patents you can still easily access. There are also citations of scientific and engineering journal articles, of military documents, and of procedings of the Institutes of Electrical, Electronics and Radio Engineers. Entries range all the way from the year 624 BC to 1951. A must for further research into the lost technology of the magnetic amplifier. #BK-MAGNETIC, Get BOTH books! List Price, $20.50; Our price, $17.25

Various Books

THORDARSON TRANSFORMER MANUAL, Great for transformer reference, tube amp schematics and tube radio repair secrets. Full of info on schematics, parts lists, performace specs, etc on big push-pull audio amplifiers, modulators, microphone preamps, power supplies and almost any type of electronic gear that used transformers and chokes. 144 pp; #BK-THOR, $11.95

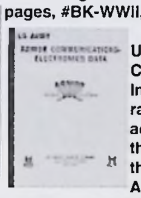


Test Data for TV-7/U Tube Tester, High quality reprint of the test set-up manual for the military TV-7,A,B,D/U, versions of Hickok tube testers, normally supplied in the lid of the tester. Also contains operating instructions, conversion table for Army VT numbers, and data table for CV type tubes. 83 pages, 1 lb sh., 6.75" x 5.35", #TV7-DATA, $9.50



Secret - US Airborne Radar Sets November 1, 1944. Covers basic information about the early radars that won WWII. Covers frequencies used, aircraft installed in, type of power output tube, various components of system. No pictures, sorry. 11x8.5, 176pgs, #BK-1944, $24.95

WWII Military Communicatins Equipment, A compilation by Sam Hevener, detailed information on USAAF aircraft sets, infantry sets, vehicle sets, countermeasures equipment, intelligence equipment, radar, photography, british infantry and aircraft sets, unit radio assignments, navy aircraft sets, vacuum tube cross reference. Lots of interesting information. 8.5x11, 103 pages, #BK-WWII, $19.00



US Armor and Communications, Information on various radio equipment and accessories used by the US military during the 1970's. Used at Army Armor school Ft. Knox. 200+ pages. Tape bound, #BK-ARM, $17.50

Military List DIRECTORY of SIGNAL CORPS....PHOTOGRAPHIC EQUIPMENT, Sept 1954. All sorts of military cameras, and photo processing equipment. 104 pages. #TM11-487F, $15.00

Military List DIRECTORY OF SIGNAL CORPS....SOUND AND MISCELLANEOUS EQUIPMENT, April 1951. Covers amplifiers, speakers, teletypes, recorders, switchboards, message devices, microphones. This is like a catalog that shows military as well as commercial equipment adapted by the military. 124 pages. #TM11-487I, $18.00

RADAR ANTIJAMMING FOR THE OPERATOR WAR DEPARTMENT OCT 1944 TM11-750 Reproduction, 99 pages. #TM-11-750, $15.00

Military Lists

Copies of mil-references

Vintage Radio Lists

#TM11-487A Directory of Old Signal Corps...Radio Equipment, 8/ 1950. 4 pgs missing, 246 pp; $29.95

#TM11-310 Schematic Diagrams of Signal Corp Ground Radio Equipment 1943-47; 32 selected vehicle & field radios; 228 pp. $32.50

Vacuum Tube Lists

Vacuum Tube compliments of Signal 10/44; tube line-ups of many vintage military & commercial radios. Also lists by tube # the radios in which tube is used. 192 pages, 3 lbs. #TO-08-1-25, $26.95

Electron Tubes, Cross Index and Type Identification, Nov '63; comprehensive list of tubes used by the US military; 303 pages, #MIL-HDBK-213A, $35.00

German Electronic Lists

DIRECTORY OF GERMAN RADAR EQUIPMENT (US WAR DEPARTMENT MANUAL, TME 11-219, APRIL 1945) Pictures and drawings of German Radar Equipment to aid the recognition of equipment and components. I suppose this was part of the clean up of war material after the war. Reproduction 68 pages. #TME11-219, $27.00.

German Explosive Ordnance (Projectiles and Pojectile fuses) 1953. Each lists the German Nomenclature, Weapons, Projectile, Type, Charge. Cutaway views of projectile. Reproduction. #TM9-1985-3, $42.50

SIGNAL COMMUNICATION EQUIPMENT DIRECTORY GERMAN RADIO COMMUNICATION EQUIPMENT (US WAR DEPARTMENT MANUAL, TME 11-227, JUNE 1944) Each radio has a picture, specifications, and a short comment about each receiver or transmitter. Reproduction 55 pages. #TME11-227, $27.00

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Equipment described as "Reparable"--meaning "able to be repaired"-- is electro-mechanically complete, but requires some trouble-shooting by the customer.

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Many items in this catalog have potential to produce harmful and even lethal electrical voltages. Proper and safe use of any item purchased is the customer's sole responsibility.

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Knobs

ARMY SPIN KNOB, retractractable crank w/ beveled top-screw shaft. 1.5" dia; for RT-70 or GRC-106. #2313, $7.00

Spin Tuning Knob for spline as used on ARN-6 and BC-229 and other sets that used MC-124 connections. #MC-127, $11.00

DUAL CONTROL KNOB as used on H-P & TEK scopes; 1-3/8" dia skirted black base for 1/4" dia shaft with 3/4" dia red top knob for 1/8" dia shaft. #KN-DC-HP, used, $2.00

Volume control round knob for BC-348. o/a 1 1/4" diameter. #KN348-1, Unused, $7

Fine Tuning round knob similar to GRC-9 knob with break and dial. Fits 3/8" diameter shafft. o/a 1 1/4" diameter. #KN-312-1, Unused, $14.00

Antenna alignment round knob for BC-312/342. Fits 1/4" diameter shaft. o/a 1" diameter. #KN312-2, Unused, $7.00

Control round knob for BC-312/342. Fits 1/4" diameter shaft. o/a 7/8" diameter. #KN312-4, Unused, $7.00

Medium bar knob for various GRC radios. Top screw mount. o/a 1 3/8"L x 7/8"W x 3/8"H. #KNGRC-1, Used, $4.50

Volume control round knob for various Hallicrafters radios. Fits 1/4" diameter shaft. o/a 1 1/8" diameter. #KNHAL-1, Used, $4.50

Lever knob. Fits 1/4" dia. shaft. Ideal for use w/ model train transformer. o/a 2 1/2" Lx11/16"Wx1/2"H. #KNL-4, Unused, $3.50

DARK BROWN fluted plastic 1" dia X 0.5"H f/ 1930's & 40's radios. #KN-DB1, 4/$2.50

Dark Brown Fluted Knob for press fit shaft. o/a 0.9" dia #KNDBF-5, 5/$2.50

Rounded BAR KNOB, 1-1/8"L x 3/4"Wx 3/4"H. Brass insert f/ 1/4" dia shaft. Used on ART-13. #KNART13, $1.50

Bar Knob with pointer, 1.8" long. Fits 1/4" flatted shaft that is center drilled for hold down screw. #KNB-1, 4/$2.50

Round knob with spin crank. Does not accept shaft. Mount to top of another knob. 3 mounting holes on top. 0/a 1 3/4" diameter. #KNSP-1, Unused, $3.00

7/16" dia Round Knob with brushed aluminum face. Push-on type fits 3/16" half round shaft. #KNRA-2, 5/$2.50

Rounded Top Knob with decorative ridges. o/a 5/8" dia. Fits 1/4" half round shaft. #KNR-6, 5/$2.50

Round Knob. Fits 1/4" diameter shaft. o/a 1 3/4" diameter. #KNR-10, Unused, $2.25

Round Knob. Fits 1/4" diameter shaft. o/a 3/4" diameter. #KNR-14, Unused, $1.00

Bar Style Knob. Fits 1/4" diameter shaft. 2 3/8"L x 1 1/2W x 1 5/8" H. #KNB-3, $1.50

High Quality Large Knurled Knob with brush aluminum face. Overall 1 3/4" diameter. Accepts 1/4" diameter shaft. #KN-99A, $1.99 each; 2 for $3.29

As above except overall 1" diameter. #KN-99D, $1.79 each; 2 for $2.99

As above except overall 3/4" diameter. #KN-99F, $1.39 each; 2 for $2.49

Chicken Head Pointed Knob w/ 1/4" dia shaft; 1.8" Lx1"Hx0.8"W. #KN-CHK, $3.00

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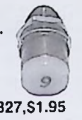

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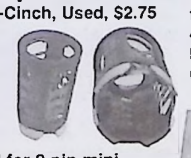

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5 pin Ceramic Socket that fits a 4-125, 4-250, & 4-400 tubes, etc... #GZC5-A, $9.95

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7 pin Ceramic that fits 1625 tube, etc. #GZC7-13, $2.50

7 pin ceramic for 813 tube 4 hole mt, #GZC7-A, $5.75
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12 pin Compactron Ceramic Socket that fits a 6KD6 tube, etc... #GZC12-F-1, $3.60

Acorn Flat Ceramic Socket #SK-ACORN, Used, $9.00

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Ceramic Plate Cap for 5/16" diameter, #MCX, Unused, $1.55 each; 5 for $6.35

Ceramic Plate Cap for 3/8" diameter, #MCZ, Unused, $1.75 each; 5 for $7.15

Ceramic Plate Cap for 1/2" diameter, #MCD, Unused, $2.19 each; 5 for $8.25

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

$4.50 Unused / $2.50 Used - Vacuum Tubes

- *MANY* other tubes available. Visit our website for a much more complete listing or tell us your needs.
- If you specify unused and unused is sold-out, we will ship used checked, unless you specify "unused only".
- Many tube types available in glass and metal. Please specify if you have a preference.

The tubes listed below are $4.50 unused and $2.50 used.

0A3 0C3 0D3 OZ4 1A5 1B3 1B4 1C5 1E7 1J3 1L4
1N6 1P5 1R4 1R5 1S2 1S4 1S5
1T5 1X2 1V2 1LA4 1LC5 1LD5

3B4 3Q5 3S4

5AN8 5J6 5T8 5U8 5V6

6A6 6B8 6C4 6G6 6H6 6J4 6J5 6J6
6L7 6N7 6S8 6T4 6U6 6U8
6V3 6V7 6W4 6X8

6AB4 6AB7 6AC7 6AF3 6AF4 6AF9 6AF11
6AG5 6AG7 6AH6 6AK5 6AL5 6AN5
6AQ5 6AQ7 6AS5 6AS6 6AU4 6AU5 6AU6 6AU7
6AV5 6AV6 6AX4 6AY3 6BA11 6BC5 6BC8 6BD5
6BD11 6BE6 6BH6 6BJ3 6BK5 6BK7 6BN4
6BN6 6BQ6 6BQ7 6BU8 6BX6 6BZ7 6CB5 6CB6
6CD6 6CF6
6CM7 6CS6 6CS7 6CU5 6CU8 6CY5 6CY7 6DA4
6DE6 6DG6 6EA5 6EB8 6EH4 6ES5 6GJ7 6HB7
6HS8 6JT8 6JZ8 6LE8 6LU8
6MN8 6SD7 6SF7 6SH7 6SK7 6SQ7 6SR7

7A4 7A5 7A6 7A7 7A8 7B4 7B8 7C4 7C7 7E6
7E7 7J7 7K7 7L7 7Q7 7R7 7S7 7T7 7V7 7W7 7X6
7X7 7Y4 7Z4 7AD7 7AG7 7AH7 7AK7 7AU7

12A6 12A8 12C8 12D4 12H6 12J5 12J7 12K7 12K8
12L6 12W6 12X4 12Z3 12AC6 12AH7 12AX4
12AZ7 12BA7 12BF6 12CA5 12SF5 12SH7 12SJ7
12SL7 12SR7 12SW7 12SY7

14A5 14B8 14C5 14C7 14E6 14N7 14R7 14W7

17D4 17AX4 17BF11 17GW6 19T8 19AU4 19X8
21GY5 21JV6 25L6 25W4 25Z5GT 25Z6 25BQ6
25DN6 32L7 35A5 35B5 35C5 35L6 35Z3
35Z4 45Z5 50Y6 70L7 117Z3 117Z4 117Z6

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34 35/51 36 38 39/44 43 55 57 78 79 89
5651 5654 5725 5726 5727 5750 5963 5965

6005 6136 6186

7056 7167

9001 9003 9004 9006

Unused Tubes

UNUSED in original military or commercial boxes:

1B35	$30.00
1B36	$39.00
1LE3	$9.50
2C43	$23.00
2E26 RCA	$7.00
2K25 Raytheon,	$42.
3C23	$42.00
3D6,	$7.50
5A6,	$8.00
4D32 Raytheon,	$17.50
10/$165.	32/$480.
6AH4,	$12.00
6AJ5 Tungsol,	$3.50
6B4GA, Sylvania	$33.00
6CG7	$9.00
6DC6 various,	$6.50
6DK6 GE,	$3.00
6F8,	$13.00
6K4	$9.50
6SG7	$3.00
6SH7	$3.00
6T8	$8.50
6Z4/84,	$6.50
12AT7	$8.50
12BE6 GE,	$3.25
12DQ6,	$10.00
12SN7	$6.50
24A	$10.50 each
30,	$16.50
53	$7.50
58	$7.50
83 ServiceMaster,	$19.95
84/6Z4	$6.50
717A	$15.00
884 or 885	$7.50 each

954-955 acorn,	$3.95
957, 958, 959, acorn,	$6.50
1619	$8.50
5670	$6.50
5718	$7.00
5719	$10.00
5755 Raytheon,	$6.50
5763 various,	$9.95
5824,	$13.50
5998A Syl,	$16.00
6080WC GE,	$8.00
6088 / 522AX Raytheon, sub mini pentode,	$6.00
6146W GE,	$24.00
6159	$17.00
6189W	$10.00
6336B Cetron,	$45.00
6687	$6.75
6883B/8552 ECG,	$15.00
6888 Sylvania,	$10.00
6922 ECG,	$17.50
7189A Int. SvcMstr	$19.50
7193	$6.25
7308 Amperex,	$14.00
7360 ECG,	$29.95
- - - *NUVISTORS* - - -	
7586	$27.00
7587	$32.00
8056	$18.00
8058	$35.00
8533 Eimac,	$15.00
8552/6883B ECG,	$15.00

26 SERIES TUBES
Used $3; 26A7, 26E6
Unused $5; 26D6, 26E6

International New Tubes

5AR4-C Ruby, $15.95
6CA7/EL34B Valve Art, $14.95
6BQ5/EL84 JJ Electronics, $11.15
6L6GC Sino, $6.99
6SN7 Russian, $6.95
6SN7 Sovtek, $13.10
12AT7Electro Harmonix, 12.35
12AX7 Sino, $8.95
12AY7/6072 Electro Harmonix, 13.45
811A Sino, $21.95
KT88 Sovtek, $24.95 ea.; 10 to 24 pcs $22.95 ea.

Pull-out Sale

"pulled-out" of equipment– NOT TESTED/ NOT GUARANTEED! (One tube type per quantity!):

10 for $8.00; 100 for $50.00
6AC7 6AG5 6AH6 6AK5 6AL5
6AS6 6CB6 6J4 6J6 6W4GT

OTHER "PULL-OUTS"
10 for $10.00. 100 for $75:
6AQ5 6AQ5/ 6005

Used Tubes / Grab Boxes

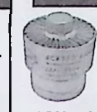
USED-checked (US-mfg):
01A (ST), 17.95; 2E22, $20.00; 3E29, $9.00;
5U4GB, $7.50; 6AS7G, $8.50;
6JB6, 6LB6, $12.50; 6SL7WGT, $8.75;
6V6GTY, $9.50, 24A, or 27, $6.00;
26, 42, 75, $9.00; 45 ST, $38.00;
80, 807, $9.00; 6080W, $4.25;

GRAB BOX TUBE SALE

3 lbs of varying types of unchecked used or unused tubes. Randomly picked from our inventory of tubes of low demand. #TB-GB-3, $20.00

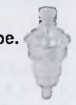
As above but 6 lbs. #TB-GB-6, $30.00

Power Amp Tubes



4CX350F/J 26VDC Power Tube. Has a maximum plate disipation of 350 watts.
Removed from equipment, $85.00

4CX300A / 8167, JAN Eimac Unused, $55.00
4X150D, 26 V filament, used STT, $21.00
4X150G, coaxial type, used STT, $29.00



8906 tube is also a ceramic metal planar tube. Filament voltage 6V; Max plate watts = 10; Max plate volts = 2500. Unused, $99.50

7815 similar to 8906 but max plate volts is 3500, $55

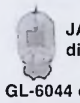
7554 HIGH MU TRIODE. Heater-cathode, ceramic-metal, pencil type used as rf amplifier, oscillator, and multiplier in airborne equipment. Used STT, $20.00

Unusual Tubes

No markings but looks like some kind image or photomultiplier with 14-pin basing. 4.8"Hx 2.3 " dia glass + two 1/2"L contact pins opposite each on tinted end of cylinder; 1"L glass extension from side. #XTUBE-98, $20.00

702B mfg by Sylvania. This unusual tube appears to be a special diode for UHF applications. Clear glass with gold plated rings. Great collectors piece! 1" dia x 2.3"ht., Unused, $15.

+ + + + + + + + +



JAN 705A RECTIFIER, 4-pin base; 5"Hx2.3" dia. used $7.00

GL-6044 oversize 6-pin w/ 4 tabs; 5.3"Hx2.3" dia. Unused, $5.00

C6M THYRATRON, 8.5"Hx2"dia Used, $4.00

Klystron / TWT

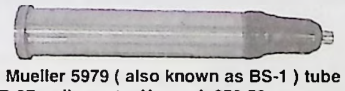
SRL-7H for 2160-2400 Mhz; 6.3 V filament, -1000 VDC beam V; reflector volts -1300 to -2000 V. Coarse & Fine Tune slugs, N-conn & octal base. 6.5"x 5.2"x4.5", 4 lb unused w/info, $49.50

VARIAN VA-98M/8901 KLYSTRON, 23.6 - 24.4 Ghz 100 mw CW; Eb=500 V @ 40 ma. 2.8"Lx 1"Hx1.3"D w/ 6"L wire leads; 2 lbs sh. NEW, $125.00 Filaments checked, but not guaranteed.

-RCA 4012/A1157 TRAVELING WAVE TUBE, 2.0-4.0 GHz, 36 db min., 20 mw min. 15.5"LX3.5"Hx1.5"W. 4 lbs UNUSED, $40.00

Geiger Mueller Tubes

Geiger Mueller 5980 (also known as BS-2) Tube from the PDR-27 radiac set, Used, $9.95



Geiger Mueller 5979 (also known as BS-1) tube for PDR-27 radiac sets, Unused, $59.50

Antique Globe Tubes

Tubes below are used-checked;
01A, $19.75
224/324, 235/51, $8.95;
226/326, $16.00;
227/327, $11.95; 239/44, $7.50
245/345, $69.00;
80/280, $33.95;

SEE A MORE COMPLETE TUBE LISTING AT fairradio.com/tubes.htm

Sonalert - *LOUD !!*

2 to 6VDC Sonalert mounted on a 2" x 2 3/16" aluminum panel with 4 mounting holes. This unit is very loud at 2VDC and almost intolerable at 6VDC. 2 lbs sh. #SONA-6, Used Excellent, $5.50

Sounding Device

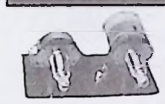
MINI PIEZO SIREN 6-15Vdc / 140mA 107dB LEAD TYPE. Made from high impact ABS plastic. Dimensions : 1.5" x 1.7" x 2.2". 1 lb sh. Mounting holes: 0.87". #SV/PS1, $5.60

Faraday Horn

FARADAY 48 VDC 100 ma HORN, made for Bell Telephone; makes loud, penetrating sound w/ screwdriver volume adjust. Steel construction; recess mount. Front size 4x4x1.3 1.3" panel depth. 3 lbs #KS-12037L2, New, $8.00

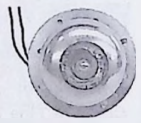
LOUD BUZZER HORN as used in smoke alarms; 2" dia x1.3". #41-81-110, 110VAC $4.

Transistor Audio Amplifier



TRANSISTOR AUDIO AMPLIFIER w/5-transistors, On-Off-Volume and Tone controls. Inputs for ceramic or crystal phono cartridges. Other possible uses as intercom, home-brew receiver, child's projects. Use with 8 or 16 ohm 3" or 4" speaker. Requires 6-9 V AC or DC; with schematic. 1.5 x 2.3 x 3.3. #ER-10-1231, NEW, $3.95 ea; 2 / $6.65; 6 / $15.95; 100/$175.00

Alarm Bell



ADAPTABEL INDUSTRIAL ALARM BELL, 5.8" dia bell operates from 6 VDC 250 MA for non-fire use. Heavy metal cast construction with mount hardware; 3 lbs. Edwards #435-6C1, new, $14.00

Speakers

3 X 5 SPEAKER, 1 watt at 16 ohms with 1.8" dia magnet; 1 lb sh. NEW, #SPK-3-5, $1.75 ea; 10/$14; 100/$110

2 3/4" Round Speaker with no mounting holes. 45 ohms rated at around 1/2 a watt. 1.1" depth. 1 lb sh. #SPK-2.75, Unused, $3.00

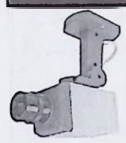
1 5/8" Square Speaker 8 ohms @ 0.1W. #SPK-158,$1.75

1 7/16" Round Speaker 8 ohms @ 0.1W. #SPK-1716,$1.75

7" Audio Tape

7" Professional Audio Tape by Ampex model 631. This is the 1.5 mil tape, 1200' of 1/4" tape. These reels of tape are excellent for DBX reels and others to decrease tape noise, consider by many as the standard for reel recording. These reels are truly the standard for audiophile recordings, and a must for the reel collector. 3 lbs shg on one. 10 lbs shg on twelve. #TAPE-631, Unused, $3.75 each; 12 for $39.95; 24 for $65.95; 96 for $150.00

Dummy Camera



Dummy Rotating Camera With LED. Excellent imitation of a real security camera. Has a motion sensor. Motorized pan movement. LED lights when the device is turned on. No wiring needed. Requires three 1.5V AA batteries (not incl.). Height: ca. 6.7". #CAMD3, $10.00

Wireless Inspection Camera

ECG Wireless Inspection Camera allows for easy visual inspections in hard-to-reach areas, even in total darkness or underwater, with 2 super bright LEDs! Lightweight, handheld design helps you easily find, diagnose, and solve problems. 2.4" Removable color LCD monitor. 3 feet long camera & shaft are waterproof. Video out for recording. Includes mirror, hook, magnet tips and carrying case. Ideal for electrical, HVAC inspection, plumbing, cable routing, etc... One year warranty. 7 lbs sh. #WIC-1, New, Regular Price $249.99; Our Price $175.99

Pinhole Camera

COLOR PINHOLE CAMERA, Pick-up element: 1/3" colour CMOS image sensor. 512(H) x 586(V) -PAL- pixels. Scanning system: 2:1 interlace. Internal synchronization. Resolution: 350 TV lines. S/N ratio: > 46dB. Min. illumination: 5 lux at F1.4. Electronic shutter: 1/50 - 1/100000. Sync. frequency: 15625kHz(H) / 50Hz -PAL-. Automatic backlight compensation. Automatic white balance. Automatic exposure/gain with 16-zone control. Video output: 1Vpp / 75ohm composite video. 5.0mm lens. 45∞ viewing angle. Audio output: 20-16000Hz, S/N ratio : > 58dB. Power supply: DC 5-12V / 80mA (regulated) (use PS1205R not incl.). 2 lbs sh. 1.6" x 1.6", Drop shipped from Texas. New, #CAMCOLMHA4N, Retail, $119.40: Our Price, $59.95

Audio Filter

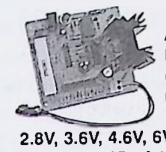
AUDIO LOW PASS FILTER. No specs available, but output is good from 10 hz to the limit of the filter. The drop off is very quick. The circuit is passive and causes an approximate 50 % attenuation of the signal. The input impedance seems to be about 2400 ohms. 4.5 x 1.5 x .5, 15Khz LPF #FO69215, $6.50

Megaphone

S25 Watt Hand-held Power Megaphone with shoulder strap. With siren, Detachable anti-howl microphone with coiled lead, On/off switch, Handle with on/off switch, Separate microphone with lock function, ABS housing, Microphone sensitivity: -36±1dB (0dB = 1V/pa), Frequency response: 500 - 8KHz, Power supply: 12Vdc (8 x 1.5V D battery, not incl.), Horn dimensions: 9.5" x 13", Length: 14". #M25SM, List Price, $92.40; Our Price, $75.90

Charger/Conditioner Kit

Kit require insertion & soldering of components!



UNIVERSAL BATTERY CHARGER / CONDITIONER. NiCd and NiMH batteries or different can be charged both quickly (52 minutes) and normally (14 hours). Usable battery voltages: 1.2V, 2.8V, 3.6V, 4.6V, 6V, 7.2V, 8.4V and 9.6V. Charge current: from 15mA to 750mA. Battery is fully discharged prior to charging and thus has a longer life. 3.4"x3.1". #K7300, New,$29.99 Recommended housing: #G311, $10.20

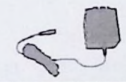
24V - 12V Converters

24VDC TO 12VDC 20 AMP CONVERTER. Compact design for in-car use. Input 24VDC. Output 12VDC. Maximum current 20 amps. Banana plugs. Fuse protected. Drop shipped from Texas. #PSDC20, New, Regular Price $79.90; Our Price, $69.99

24 - 12 VDC Converter. Compact design. Input 20-30VDC. Output 12VDC. Maximum current 5 Amps. Cigarette lighter plug. Fuse-protected. 3 lbs sh. #PSDC05, New, $23.95

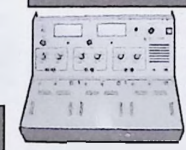
Wall Transformers

AURORA TOY WALL TRANSFORMER, changes 120 VAC to 9.5 VDC 350 ma output. 6' cord with slide lugs; 2 lbs sh. #AUR-95V34VA, 2 / $5.25



CERVCO AC ADAPTER, 11.5 VAC 175 ma out-put; 6' cord w/o lugs.#CER-11.5V, 2/$4

Electronic Trainer



Nida Trainer Model 130, Originally for electronic class troubleshooting instruction. This unit is power supply and test frame only, no test circuits. plus and minus low voltage power supply each 6, 9 , 12, 15 volts and variable to 24 vdc current limited 25. 50, 75, to 100 ma variable. Also high voltage 50, 100, 150, 200 to 250 vdc variable with current limit of 10, 20, 30, 40 to 50 ma variable. Large voltmeter and milliamper meter to monitor the output. Mini toggle switches under front panel to switch problems into circuit. This would make nice tube/low voltage breadboard station for your shop. Requires 115VAC 60Hz. 14.7x 18x9, With Schematic. 25 lbs #NIDA-130, Used, $50.00

Industrial Transformers

Taps 90 thru 3KV at 20KVA at any tap #3KV-20KVA,$999
(Primary 160V 137.5A) 5 - 3000Hz One Phase 20.3x16.5x22.5, Open Frame, Approx. 500 lbs

115/270V 4.9KVA 10x9x9.7 (C) 100 #44-115V-4.9KVA,$299
115/135V 2.7KVA (600VAC only primary)

71V 53.5A 8.7x9x9.2 (C) 80 #44-71V-53.5A, $260
(Primary 200/230/380/415/460/575VAC)

229V 70A 3 Phase Y 22.5x11.3x18 (C) 400 #SHED-Y,$795
(Primary 420/440/460/480/500V 37-31A)

230V 250KVA 5.8x5.4x5.9 (C) 19 #42-230V-250KVA, $49
(Primary 208/270/325/380VAC)

PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Low Voltage Transformers

All 120 VAC 60 Hz primary unless otherwise noted; styles as indicated; may be "used" or "unused": Dimensions listed below are case only, so make allowance for terminals. Weights listed below are considered SHIPPING weights. Limited stock.

STYLES (A) (B) (C)

SECONDARY SIZE STYLE WT STOCK # PRICE

2.5VCT 10A, 2.2x3.7x2.4, (C) 3 #166S2, Hammond Mfg, New, $23.72; 4 pcs $19.67 ea

5VCT 3A, 1.8x3.3x2, (C) 3 lbs sh. #166MS, Hammond Mfg, New, $19.77; 5 pcs $16.33 ea

5V 1A 2.2x1.8x1.9 (B) 5 #38L-5V-1A, $6.95

6.3VCT 4A, 1.8x3.3x2, (C) 3 lbs sh. #166N6, Hammond Mfg, New, $15.81; 5 pcs $13.36 ea

6.3VCT 10A, 2.25x4.1x2.7, (C) 4 lbs sh. #166S6, Hammond Mfg, New, $41.51; 2 pcs $34.89 ea

12V 3 A, 2x2.7x2.2 (C) 4 #4-12V-3A, $7.95

12 V 9 amp, 5.3x4.3x4.8(C) 22 #P-601719 $12.95 12 V 3.2 A, 12 V 2 A, 44 V 2.5 A. (12 V windings can be wired to produce 12 V 14 A)

12.6VCT 4A, 2.13x3.7x2.4, (C) 3 lbs sh. #166N12, Hammond Mfg, New, $23.72; 4 pcs $19.67 ea

12.6VCT 8A, 2.5x4.5x3, (C) 5 lbs sh. #166R12, Hammond Mfg, New, $51.40; 2 pcs $42.30 ea

14VCT 2A, 1.8x2.7x2.2, (C) 3 #F-251X, $8.25

14V 2.8A, 3.7x2.3x2, (C) 3 #BK15659, $7.50

16V 28A, 6.4x5.3x5 (C) 20 #10-16V-28A, $46.00

16.5 VCT 2 amps 2.6x2.5x2 (C) 2 #BE15869 $5.75

16.8VCT 6A, 2.9x3.3x4.1 (C) 6 #32-16.8V-6A, $14.95 15.5VCT 250ma, Open Frame Epoxy Coated,

18V 4A 2.5x3x3.5 (B) 4 #13-18V-4A, $10

18V 5.4A, 4.5x4.8x4(C) 16 #401-21 $12.95 26 V 1 A, 6 V 900 ma, 25 V 500 ma, 35-10-0-10-35 V 5 A

18 V 1.5 A, 3x4x3.5 (C) 7 #BE12696 $7.95 19 V 2.5 A, 10 V 4 A

22VCT 3 Amps 3.8x3x4 (C) 8 #3S92890015 $13.95 80VCT 1.5 Amps

24V 20VA, 2.1x2.6x2.5, (B) 2 #6-24V-20VA, $5.95

Taps 24/19/10V 1KVA at any tap 6x11x14 (A) 84 #M1539,$115

25.2VCT 2A 2.1x3.9x2.6 (C) 4 #F-41X, $12.00

28V 35.7A, 5.7x6.3x7.7 (A) 43 #35.7A, $120.00 Unused, Made by Walker Electrical

29.2V 2A 3.5x3.9x3.5 (A) 7 #612-29.2V-2A, $12.00 22.5V 2A

2x30 V 250 MA 1.8x2x1.5(C) 1 URC#60605 $4.00

30Vct 150MA, 2.3x1.25x1.5, (C) 3 #51-PPC-13, $8.50 Unused, Stancor

30 VCT 560 ma 2.5x2.3x2 (C) 2 #401-6 $4.50 40 VCT 450 ma

32 V 3.5 amps 3.3x2.8x2.3(C) 4 #2-111219 $7.95

32 VCT 1.5 A; 2.5x2.6x2.1(B) 3 #142259 $5.95

38VCT 1.4A 2.2x3.3x2.3 (B) 4 #203A6725, $7.00 5V 1 amp

38.9V 4A 2.6x3.8x3.5(C) 5 #021/0220050 $10.50 tapped 26-9-3-0.9 V, 150 VCT 200 ma

40VCT 1A 2.2x3.7x2.2 (C) 4 #URC56000, $7.00

70 VCT 5 A, 4.5x4.8x4 (C) 16 #401-21 $12.95 tapped 20 VCT; 18 V 5.4 A, 26 V 1 A, 6 V 900 ma

80VCT 1.5 Amps 3.8x3x4 (C) 8 #3S92890015 $13.95 22VCT 3 Amps

90VCT 2A, 4.1x3.4x2.9, (C) 9 #24-90V-2A, $20.00

Dual 90V 2.5A, 3x5.2x4.4, (C) 13 #20-90V-2.5A, $27 tapped on each of the 95V windings at 60V, 32 vct around 200ma

Dual 95V 2.5A, 3x5.2x4.4, (C) 13 #28-95V-2.5A, $30 tapped on each of the 95V windings at 60V, 32 vct around 200ma

100V 8.5A 7x6.1x6 (C) 33 #42-100V-8.5A, $69.00

HV Transformers

SECONDARY SIZE STYLE WT STOCK # PRICE

240V 15ma, 3.8x2.7x2.3, (A) 4 #27-240V-15MA $22 6.3V 1.1A, 10V 250ma,

375 VCT 50 MA 2.5x3x2.6 (B) 3 #8316527 $9.50 6.3 V 2 amp (230 VAC only primary)

380VCT 65ma, 6.3 V@2.5 A, 2.7x2.2x2.7, 3 lbs sh. Hammond Mfg, New, #269EX, $49.64; 2 pcs $40.98 ea

520VCT 90ma, 6.3 V@3.5 A, 3x2.5x3.2, 5 lbs sh. Hammond Mfg, New, #270DAX, $63.08; 2 pcs $51.06 ea; 4 pcs $49.19 ea

550VCT 200ma, 5 VCT@3 A, 6.3 VCT@6 A, 4x3.2x3.9, 10 lbs sh. Drop shpd from NY. Hammond Mfg, New, #270HX, $80.38; 2 pcs $76.63 ea; 4 pcs $74.75 ea

570VCT 200 MA 6x5.2x4.2 (A) 20 #390AHV, $44.95 25VCT 1.2 amp, 6V 8 amp, (115 or 230 VAC primary)

600VCT 250ma, 5 VCT@4 , 6.3 VCT@8 A, 4x3.8x4.6, 11 lbs sh. Drop shpd from NY. Hammond Mfg, New, #272JX, $86.50; 2 pcs $82.75 ea; 4 pcs $80.87 ea

640VCT 150ma, 5 VCT@3 A, 6.3 VCT@5 A, 3.5x3.2x3.9, 9 lbs sh. Drop shpd from NY. Hammond Mfg, New, #276X, $85.68; 2 pcs $81.93 ea; 4 pcs $80.05 ea

700VCT 175ma, 5 V@3 A, 6.3 VCT@5 A, 4x3.2x3.9, 10 lbs sh. Drop shpd from NY. Hammond Mfg, New, #273BX, $75.50; 2 pcs $71.75 ea; 4 pcs $69.88 ea

750VCT 175ma, 5 VCT@3 A, 6.3 VCT@6 A, 4x3.2x3.9, 10 lbs sh. Drop shpd from NY. Hammond Mfg, New, #274BX, $80.65; 2 pcs $76.90 each; 4 pcs $75.02 ea

800VCT 200ma, 5VCT@3 A, 6.3 VCT@6 A, 4x3.2x3.9, 11 lbs sh. Drop shpd from NY. Hammond Mfg, New, #278X, $99.21; 2 pcs $95.46 ea; 4 pcs $93.59 ea

800VCT 465ma, 6.3 VCT@6 A, 5x3.8x4.6, 18 lbs sh. Drop shpd from NY. Hammond Mfg, New, #278CX, $105.31; 2 pcs $101.56 each; 4 pcs $99.68 ea

850VCT 150ma, 5 V@3 A, 6.3 VCT@5 A, 4x3.2x3.9, 10 lbs sh. Drop shpd from NY. Hammond Mfg, New, #279X, $90.90; 2 pcs $87.15 ea; 4 pcs $85.27 ea

920VCT 50-70ma, 4.4x5.1x6, 17 #52-920V-50MA, $32 1240VCT 50-75ma,

1000VCT 200ma, 5 VCT@3 A, 6.3 VCT@6 A, 4.5x3.8x4.6, 14 lbs sh. Drop shpd from NY. Hammond Mfg, New, #282X, $107.31; 2 pcs $103.56 ea; 4 pcs $101.69 ea

1900VCT 30ma, 4.3x4x6, 12 #52-1900V-30MA, $45 1150VCT 50ma,

Chokes

Swinging Choke, 1.5MHy at 200maDC, 460UHy at 4ADC, DCR 0.24ohm. 1.7 dia. x 1.4 ht, 2 lbs #TW-64713,$14

1.5 mHY/3.0mHY 11A/1A swinging 6.8v-120cps .07 ohm 2x2.3x3, Sealed frame, 4 lb,#103-1.5MH-11A,$14

C-114 LOADING COIL, adds 88 mH inductance to field phone wire increasing effective range 125+%. Water tight case; 4 lbs sh. #C-114, Used, $14.00

5Hy 150ma, 105 ohm, 400VDC, 2x3.3x2, (C) 3 lbs Hammond Mfg, New, #158Q, $25.08; 4 pcs $20.69 ea

8Hy 100ma, 259 ohm, 400VDC, 1.8x3.3x2, (C) 3 lbs Hammond Mfg, New, #157M,$27.98; 4 pcs $22.86 ea

10Hy 100ma, 262 ohm, 400VDC, 2x3.3x2, (C) 3 lbs Hammond Mfg, New, #158M, $24.79; 4 pcs $20.47 ea

15Hy 100ma, 256 ohm, 500VDC, 2.3x4.1x2.7, (C) 4 lbs Hammond Mfg, New, #159M, $31.81; 4 pcs $25.73ea

20Hy 100ma, 181 ohms, 600VDC, 3.3x2.5x3.1, (B) 5 lbs Hammond Mfg, New, #193C, $43.51; 3 pcs $35.13 ea

Audio Transformers

Primary Secondary

50 ohms 30ma 500 ohms 400 to 1900 Hz Mic Transformer 1.5x1.3x1.5(A) 1 lb #T204/PP115 $5.

100 ohms 100K ohms; input transformer, 2.1x2.2x3.2 (A), 2 lb Made by UTC. #T3/AM20,$20

150 ohms, 600 ohms, 2x1.25x1.25, 1 lb sh. (A), Unused, #35-TFIRX16YY , $10.00 each

160 ohms 11ma 78000 ohms 0.5ma; Sealed. 1.8x1, 1 lb sh. #F-8428, $10.00

2/ 300 ohms 15 ma DC, Sec: 600 ohms, + 9dbm 100 - 3500 hz, 1.4 x 1.4 x 2.3, Made by UTC H-9985, #225C1015, $10.00

500 ohms CT, 50 ohms split. 1.3x0.7, 1 lb, Pico. #R20145, $10.00

600 ohms CT 7ma 600 ohms CT 15 mw, 2DB, 200-10KCY. Microtran. 0.5x0.5x0.5, 1 lb, #VM14-M, $5

Primary 600 ohms CT, 600 ohms CT; Secondary 600 ohms, 600 ohms, 600 ohms CT. 1.6x0.7x0.7, 1 lb, #656-1016-000, $6.00

4000 ohms 8 ohms 2 watts. Frequency range 250 - 5000CPS. Max working Volts 175. Ultrad. 2x1.8x1.3, 1 lb, #3202, $15.00

10K ohms 12ma DC, Sec: 8 OHMS, 100-3500 HZ, 1.5 X 1.5 X 2.3 H, #225C1010, $18.00

25K ohms 3ma 600 ohms 15 milliwatt 250-3500CY. +/- 2DB. Hammond. 1.6x0.9, 1 lb, #32480, $10.00

Transistor Interstage Transformer. Primary 10K ohm to a Secondary 200 ohm Center Tap. Made by Stancor. Unused, #TA-34, $14.00

Pri: 60000 (1.5 ma 90v), tapped 12500 (6.5 ma 90v) Secondary 600 ohms tapped 8 ohms, 200 - 3800 hz 200mw, 1.5 x 1.5 x 2.5, #TR-1017, $21.00

Audio transformers which we were told were from Altec/Altec Lansing Public Address amplifiers. We have no specific data on these, but offer them to those who may know what they are. All ohms listed below are DC resistance.

Pri. 0.5 ohm; Sec. 8.7 ohm tapped 8.4, 8.3, 8. Open frame, 2.7x3.7x2.3, 4 lbs sh. Sam Woo mfg. #050-7000-00, $7.00

Pri. 0.3 ohm; Sec. 3.7 ohm tapped 3.65, 3.6, 3.5. Open frame, 2.9x3.4x2.8, 6 lbs sh. Sam Woo #50-7001-00, $11.00

Tamradio #302216, Winding(1) 19.3 ohms, (2) 5.7 ohms CT, (3) 3.4 ohms CT, (4) 5.2 ohms CT, (5) 20.4 tapped 17.1 ohms, (6) 21.5 tapped 16.7 ohms Open frame, 3.1x3.2x2.8, 5 lbs sh. $7.00

TRIAD TRANSFORMER

TRANSISTOR DRIVER 100 ohms 100 ma: 100 ohm CT, 50-10KHz 500 mw. 2.7x1.5x1.5. #TY-61X, $6.00

Modulation Transformer by Triad. Primary 32 ohm CT 575ma. Secondary 3K, 4K, 6K ohm. 300-3000 CPS. 10 watts. #TY-65Z, $10.00

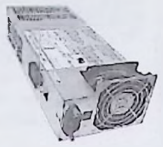
RF Transformer, Pull out of SP-600 Receiver 7-14MHz Oscillator. 2.1x1.9x1.3, 1 lb sh. #RFT-600, Unused, $7.50

70 Volt Line Transformer by Thordardson. Tapped primary 0.5, 1, 2, 4, 8 watts. Secondary 4, 8, 16 ohms. #24S71, Unused, $6.00

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

Switching Power Supplies

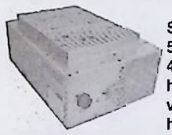
HEAVY DUTY SWITCHING SUPPLY, outputs +5 VDC 28 amps, +12 V 4 A, +24 V 1.5 A from 115 VAC 60 Hz in. W/ ON-OFF switch, & 16-pin Molex output connector. "AS-IS" complete, no schematic" 2x5x13, 6 lb #SWPS-528, $10.95



SWITCHING POWER SUPPLY with 3" axial fan. Outputs +5 V 10 amp, +12 V regulated 2.5 A, +12.5 V 5 A unregulated from 115 VAC 50/60 Hz input. P/o Wang equip. 2.6x5.1 x12.5, 7 lbs. #12690, $20.00

POWER SYSTEM switching supply, outputs +5 V 7 amps, +12 V 3 amps, -12 250 ma, -5 300 ma from 115/230 VAC 50-60 Hz input. 7.8x 4.4x1.5, 3#. NEW: #PS1558, $21.00

Switching Power Supply, Outputs: 5VDC 20A, 15VDC 2.5A, -15VDC 1.0A, 24VDC 4.0A. Housing is perforated. Requires 115/230VAC 50/60 Hz. Xentek Inc mfg. 10.9x7x4.2, 7 lbs #SX200-81605, Used, $12.00; 4 for $39.95



Switching Power Supply, Outputs: 5VDC 21A, -5.2VDC 7.5A, 12VDC 4.7A, -12VDC 1.5A. Each output has a potentiometer adjusting the voltage +/- 1 volt. Perforated housing with a heatsink on top. Requires 115VAC 60 Hz. Various mfg. 10.9 x 7 x 4.2, 15 lbs #A3060884, Unused, $14.00; 3 for $34.50

24VDC 11 amp output switching power supply which DOES WORK with the R-392 and GRC-106 Receiver / Exciter. Requires 115V or 230V 60Hz. Made by Acme Electric Corporation. 9.5x5x2.5, 6 lbs sh. #25A1, Used, $63.95

Sorensen DCR40-13B Rackmount Power Supply 0 to 40 V @ 13 A. Low-level remote sensing, manual & automatic control, direct & master-slave paralleling & series operation. Low ripple and noise. Fine/coarse adjustments for current and voltage. Large analog current and voltage meters Power required 115 V 50/60 hz, 19x21x3.5, 48 lbs sh. #DCR40-13B, Used Checked, $375.00

Power Supply Modules

+5/-5 V 3 AMP REGULATOR BOARD, up to 24 VDC unregulated. Capacitors two 15000 mf 15 V, 33000 mf 30 V. Two each KBPC rectifiers, 2N6576, 2N4441 SCR. 7.8x6x4; 3 lbs #MEND-REG-5V, $7

REGULATOR MODULES from Sun supplies, each with current limit and voltage adjust. Includes bridge rectifier, filter capacitor, two 2N3055 or equal and 723 regulator; 2 lbs sh. No further info.
#SUN-REG-124, 12 V 4 amp, $14.00
#SUN-REG58, 5 V 8 A w/OVP; $12.00

Power Supply Kit

1A POWER SUPPLY KIT. This small power supply provides a regulated voltage, adjustable between 1.5 and 35 volts at 1 Amp. With the LM317 regulator remarkably better ripple and regulation characteristics are given with conventional regulators. Current limiter and thermal overload protection are included in the IC. Supplied without heatsink. Output current: 1.5A max. Max. dissipation: 15W (cooled). Max. input voltage: 40VDC. PCB dimensions: 2.1" x 2.1". #K1823, $15.95

Power Supplies

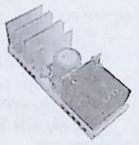
5 VDC 3 AMP EXELON DC REGULATED SUPPLY, and 12 VDC 0.1 amp output from 115/230 VAC 47-63 Hz input. 5x5.3x2.8, 4 lbs. #PS-1545, New, $14

5VDC 10 amps, +15VDC 0.7 amp, -15VDC 0.7 amp Power Supply by Power One. Primary 115/230VAC 60Hz. On/Off Switch. Fused. 16x4.5x2.6, 11 lbs sh. #1001932, Used, $15.95

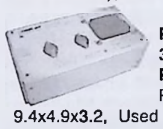
Large High Current Power Supply. Has five internal modules: 3 each 5V 70A SPS-2599, +18V 70A SPS-2679, & -18V 70A SPS-2680 Power input 208VAC. Made by Trasistor Devices. 19x22.5x10.5, 110 lbs sh. #SPS-2678, Used good condition reparable, $125.

Power Supply with outputs of +5VDC 16.5A, +12VDC 3.5A, -12VDC 1A. Inputs 100-240VAC 50-60Hz. Made by Acme Electric. 10.2x5.8 x2.5, 7 lbs sh. #HF-75064, Used, $20

12VDC 1.7 Amp Lambda Power Supply, Primary 115VAC 60Hz. 4.9x4x2.4, 5 lbs sh. #LNS-Z-12, Unused, $19.99



12VDC 13 Amps Regulated Power Supply by Standard Power. Requires 115/220/230VAC 47-440Hz. 13.4x4.7 x4.8, 19 lbs sh.Unused, #01-302344,$45



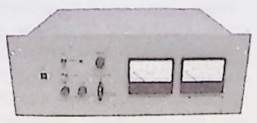
Regulated Power Supply. 12VDC 3.4 amps or 15VDC 3 amps. Requires 115VAC 60Hz. Made by Power One. #HCC15-3-A, 9.4x4.9x3.2, Used good condition, $18.00

Kepco DC Power Supply, 0-15VDC, 0-1.5 Amps. Perforated housing. 6.3x4.9x3.3, #PAT-15-1.5, 7 lbs sh. $19.95

Linear Regulated Power Supply by Lambda, adjustable 20VDC +/- 5% at 5 amps. Perforated housing. Requires 205-265VAC 55-65 Hz. 10x4.9x4.8, 17 lbs, #LM-CC20-V, Used, $60.00

24VDC 8.3 Amps Regulated Power Supply by Lambda. Requires 115/220/230VAC 47-63Hz. 24x7x5, 22 lbs sh. #LOS-R-24, $65.00

27.3VDC 7.5 Amp Elpac Power Supply. Input is 115VAC 60Hz. Not Regulated. 5x8x3.9, 15 lbs sh. #BFS200-24, $39.95



Rackmount Lamp Power Supply by Westinghouse covering 12 to 65VDC at 3 to 9.5 amps from an input of 115/230VAC 60Hz. The power supply does have a current adjust but does NOT have a voltage adjust. The voltage is directly relative to what the current is set at. Has 2.9"H x 3.5"W panel meters for Amps and Volts. Running time indicator. 15.5x19x7, 49 lbs sh. #WE-65, Unused, $159.50

Acopian Supplies

Acopian Gold Box Series Power Supplies. Fully enclosed with terminals for wire connection. Perforated covers. Each unit is linear regulated and requires 105-125VAC 50-400Hz. All voltages listed are DC. Removed from lightly used equipment. Nice & clean.

2V 6.0A, A2MT600, $27.00
2V 12.0A, A2MT1200, $34.00
+/- 5V 2.5A, Dual Track VTD5-250,$34
5V 5.0A, VRB5G500, $27.00
5V 5.1A, VA5MT510, $27.00
5V 6A, VA5MT600, $27.00
5V 12A, VA5MT1200, $46.00
5V 17A, VA5H1700, $40.00
5V 22A, VA5H2200, $46.00
±15V 400 ma, Dual Track VTD15-40,$46
±15V 500MA Dual Track VFD15-50, $46
15V 2A, VA15NT200, $75.00
±15V 2.5A, Dual Track VTD15-250,$110
15v 3.0A, VRB15G300, $99.50
±15V Dual Track 4.5A,VTD15-450,$129
0-100V 100ma, A0100MX10, $95.
200v 100ma, B200GT10, $167.00

H V Supply

HIGH VOLTAGE POWER SUPPLY, input 120 VAC 60 Hz. DC outputs: -8000 V 0.25 to 1 ma, +120 V 15 ma, +24 V 1.25 amps, +16 V 450 ma. 4x9.5x4, 17 lbs sh. #GE9T63Y2280G03, Used some rust, $17.95

1-2000 VDC @ 20ma Adjustable Rack Mount Power Supply by Power Designs, Inc. Meter is for voltage and current with a toggle switch determining function. Requires 115VAC 60 Hz. 19x19x5, 29 lbs sh. #2K20, $250.00

Variable Transformers

- - OTHER RATINGS AVAILABLE - -
Tell us your needs!

All variable transformers listed below are used good condition unless otherwise specified.

GENERAL ELECTRIC VARIABLE TRANSFORMER, input 120 VAC 60 Hz. Isolated output 0-60 VAC. Maximum current load: 5 amps. Two units wired in series will produce 120 VAC output. Coil not enclosed; dial plate & knob not included. 4.4"dia X 4"H; 6 lbs GE #9T92A1515, New, $24.00

380 HZ VARIABLE TRANSFORMER, input 120 VAC 380/1000Hz; output 0-120 VAC 380/1000 Hz 13 amps. 7x6.2x3.3, 9 lbs. #GA5065OL $26.00

+ +

Variable transformers listed below are 240VAC 60Hz inputs; not enclosed.

Powerstat 9 Amps 0-240V, Input 240V, motorized, perforated sides. 9.1x9.5x10, 30 lbs, #2388-10698, $100.00

Staco 10 Amps 0-240V, input 240V, motorized, perforated sides. 8.9 x 9.5 x 10.3, 30 lbs sh, #033-7015, $115.00

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

Inverters

800 Watt DC to AC Inverter, 800 Watts Continuous - 1600 Watts Peak Power Inverter. Input Range 10-14.4VDC. Features low voltage Alarm, low voltage Cut-Off. 2 AC Receptacles. Direct to Battery Cable with Clips. Thermal Shut-Down. Reverse Polarity Protection. Dimensions 2"H x 4.25"W x 9"D. Limited Quantity. Made by CobraÆ. New, #CPI-850, Retail $89.95, On Sale Now, $44.95

12 VDC to 120 VAC 60 HZ INVERTER, rated 200 watts continuous; 600 W surge. Output is squarewave with zero-crossing. Has studs for input & 3-cond outlet. 3 x 7.5 x 4.8, 7 lbs. #RC-12200, New, $59.50

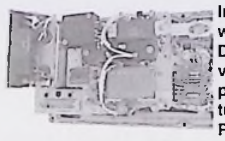
ROTARY INVERTER, output 115 VAC 400 Hz 1 phase 750 VA from 28 VDC 60 amp input; Leland or =. 12x9.5 x7, 42 lbs sh. #INV-750, Gov't-Recond, $77.00

Motor Generator for GRC-106 Model SS688. Input 27.5VDC 24 Amps. Output 115VAC 60Hz 3.48 Amps. Continuous duty. 3600 RPM. 12x6.5x12, 47 lbs sh., #SS688, Used, $89.00

400 HZ INVERTER KIT removed from PP-2352; good foundation for 28 VDC to 115 VAC 400 Hz 500 watt 1 phase inverter. Includes oscillator feedback, driver, output, & regulator transformers, two saturable reactors & schematic info. Add other components to suit your power needs; 10 lbs #KIT400HZ-500W, $67.00

Power units FROM AM-3349 see better pictures at our web site.

DC-AC 400 HZ INVERTER. Input 26 VDC, Designed outputs 120 VPP 400 hz and 156 VPP 400 hz. Also 12.6 VPP 400 hz 600 ma for filaments. Components mounted in irregularly shaped casting. Transformer is not removeable. Removed from equipment. With schematic. 2.3x6.6x4.9, 5 lbs sh. #2A6A1, $35.00



Inverter from AM-3349 which contains the DC - DC supply for the High voltage power supply that powered two 4CX350F tubes to 400 watts PEP. Power input is 24VDC. This supply produced 500 VDC plate and screen grid supply for 8233 driver tube, and screen grid for PA tubes. Also 2400 VDC plate voltage for PA tubes. Transformer and components are mounted to irregularly shaped casting. With schematic. 7x18x6.9, 21 lbs sh. #3349-INV, $67.00

Dynamotor Supplies

#D-10A Used, $21.00;
#D-401 Used, $25.00
#DM-36 Re-new, $21.00
#DY-9 or equal from ARC1, $20.00
#DY-86 from ARN-30, $21.00;
#PE-98 14V Used, $40.00;

#2C4312/B50 Hinge Set f/ DM-21 in BC-312, Used, $18

NTE Semiconductors

NTE Cross Reference CD, $5.00 — NTE Cross Reference Book, $4.95

NTE#	DESCRIPTION	PRICE
2V130	MOV 130V RMA	$1.97
85	T-NPN SI GENERAL PURP AMP TO-92	$1.02
109	Diode-Germanium Gen Purp 75PRV DO-7	$1.80
112	DIODE-SI-UHF TV/MIXER DO-7	$1.57
116	RECTIFIER-SI 600V 1A DO-41	$0.79
123	T-NPN SI-AF PREAMP/DRIVER TO-39	$0.89
123A	T-NPN SI-AF/RF AMP TO-18	$1.59
123AP	T-NPN SI-AF/RF AMP TO-92	$1.33
125	RECTIFIER-SI 1000V 2.5A DO-41	2/$0.89
125-10 Pack	RECTIFIER-SI 1000V 2.5A DO-41	$3.49
125-100 Pack	RECTIFIER-SI 1000V 2.5A DO-41	$28.99
128	T-NPN SI-AF PREAMP DRIVER TO-39	$2.17
128P	T-NPN SI General Purpose AMP TO-237	$2.16
129	T-PNP SI-AF OUTPUT TO-39	$2.40
130	T-NPN SI-AF POWER OUTPUT TO-3	$4.30
135A	ZD-5.1V 1W DO-41	$0.66
142A	ZD-12.0V 1W DO-41	$0.66
145A	ZD-15.0V 1W DO-41	$0.66
156	RECTIFIER-SI 1000V 3A DO-15	$1.40
159	T-PNP SI-AF PREAMP DRIVER TO-92	$1.74
172A	T-NPN SI-DARLINGTON AMP TO-98/92	$0.98
177	Diode-SI Gen Purp Det 200 PRV DO-35	$1.19
181	T-NPN SILICON AUDIO AMP TO-3	$8.50
184	T-NPN SILICON AUDIO PO TO-126	$2.45
185	T-PNP SILICON AUDIO PO TO-126	$2.75
199	T-NPN SI-LO NOISE TO-92	$1.17
253	T-NPN SIL DARL80V HFE-2000 TO-126	$2.37
261	T-NPN SIL DARL80V TO-220	$2.66
262	T-PNP SIL DARL 80V TO-220	$2.38
263	T-NPN SIL DARL80V TO-220	$2.80
287	T-NPN SI-HI VLTG Gen Purp AMP TO92	$0.88
289A	T-NPN SI-AF POWER OUTPUT TO-92	$1.56
290A	T-PNP SI-AF POWER OUTPUT TO-92	$1.62
291	T-NPN SI-POWER OUTPUT/SW TO-220	$3.49
303-5 Pack	HEAT SINK COMP'D 1 GRAM	$2.20
331	T-NPN SI-AUDIO PO/SWITCH TO-220	$3.66
373	T-NPN SI-AF DRIVER TO-126	$1.98
378	T-PNP SI-Power Driver/Output TO-220	$3.38
399	T-NPN SI-VIDEO OUTPUT GIANT TO-92	$3.60
422-2 Pack	Insulator Kit for TO-220 Package	$1.96
423-2 pack	IC SOCKET 8PIN DIP	$1.34
458	JFET-N-CHAN GEN PURP AMP TO-92	$3.64
506	RECITIFER-SI-HI CUR/FAST SWITCH	$1.96
519	DIODE-SI FAST SWITCHING DO-35	$1.19
552	RECTIFIER-SI 600 PRV 1A DO-41	$1.59
558	RECTIFIER-SI 1500V 1A DO-41	$1.69
570	D-SI CONTR AVALANCHE 135V TO 180V	$1.80
574	R-SI 400V 1A FAST RECOVERY DO-41	$0.62
576	RECTIFIER-SI 400V 5AMP 35NS DO-27	$1.70
577	RECTIFIER-SI 1000V 5AMP 70NS DO-27	$4.33
580	RECTIFIER-600V3A FAST RECORD	$3.44
588	DIODE-SI 200V 3A ULTRA FAST DO-27	$1.76
618	DIODE-AM RADIO TUNING DIODE	$2.99
778A	IC-DUAL OP AMP 8 PIN DIP	$3.81
941M	IC-FREQ COMP. OP AMP 8-PIN DIP	$1.07
955M	IC-TIMER/OSCILLATOR 8-PIN DIP	$1.86
960	IC-POS VR 5V 1A TO-220	$3.73
966	IC-POS VR 12V 1A TO-220	$3.93
987	IC-QUAD OP AMP 14-PIN DIP	$2.48
1866	IC-LED VU Scale Meter Driver 9-PIN SIP	$2.14
2018	IC-8 CHAN CMOS/TTL DR 18-PIN DIP	$3.81
2331	T-NPN SIHI VLTG Horiz Switch w/ Damper	$9.98
2343	T-NPN SI Darl Power Amp/Switch TO-220	$2.36
2353	T-NPN SI COLOR TV HORIZ OUTPUT	$10.51
2389	MOSFET-PWR N-CHAN HI SPD SW TO-220	$7.67
2395	MOSFET-PWR N-CHAN HI SPD SW TO-220	$5.29
3041	Opto Isolator/NPN Transistor Output	$2.11
4006B	IC-CMOS 18 STAGE 14-PIN DIP	$3.00
5077A-2 pack	ZD-18.0V 1W DO-41	$1.30
5304	RECTIFIER-SI BRIDGE 400V 1.5A	$1.98
5322	RECTIFIER-SI BRIDGE 200V 25A	$4.80
5332	RECTIFIER-SI BRIDGE 600V 1A	$1.67
5342	RECTIFIER-SI BRIDGE 600V 40A	$11.99
5344	RECTIFIER-SI BRIDGE 1000V 40A	$12.99
5800	RECTIFIER-50 PRV 3A Axial Lead DO-201	$0.51
5801	Rectifier-100 PRV 3A Axial Lead DO-201	$0.76
5804	Rectifier-400 PRV 3A Axial Lead DO-201	$1.18
5809	RECT-1000 PRV 3A Axial Lead DO-201	$2.60
5812	RECTIFIER-100 PRV 6A	$1.58
5814	RECTIFIER-400 PRV 6A	$1.84
5815	RECTIFIER-600 PRV 6A	$2.89
5817	RECTIFIER-1000 PRV 6A	$3.70
6419	SIDAC 110-125V	$2.76
7407	IC-TTL Hex Buffer/Driver 14-Pin Dip	$1.57
8085	THERMAL FUSE 87°C	$1.60
8090	THERMAL FUSE 93°C	$1.60
8098	THERMAL FUSE 100°C	$1.60
8103	THERMAL FUSE 104°C	$1.60
8118	THERMAL FUSE 121°C	$1.60
8139	THERMAL FUSE 141°C	$1.60
8181	THERMAL FUSE 184°C	$1.60
8213	THERMAL FUSE 216°C	$1.60
8242	THERMAL FUSE 240°C	$1.60
75189	IC-DTL QUAD Line Driver 14-PIN DIP	$2.14
TP0001	Thermo Pad for TO-3 - 5 Pack	$1.66
TP0002-100	Thermo Pad for TO-66 - 100 Pack,	$17.95
TP0004	Thermo Pad for TO-126 - 5 Pack	$0.89
TP0006	Thermo Pad for TO-220 - 5 Pack	$1.22
TP0007	Thermo Pad for DO-5 - 5 Pack	$1.34
TP0010	Thermo Pad for TO-3PML - 5 Pack	$2.20

Regulators / Conditioners

ONEAC power conditioners combine an isolation transformer with power conditioning to protect your equipment. Various power connections are available. Made by ONEAC.

Input 280 VAC 16 amps 50/60 hz. Output 240/120 VAC 16 amps. Load regultion 2%. 18.3x10.5x10.5, 100 lbs sh,#CC2333, $50.00

Input 208 VAC 12.6 amps. Output 240/120 VCT 10.4 amp. 18.3x10.5x10.5, 95 lbs sh. #CS2328-8, $40.

Input 120 VAC 12 amps. Output 120VAC 12 amps 50/60 hz. 15.3x8.5x5, 45 lbs sh. #CS1115R, $50.00

WANG POWER CONDITIONERS, electronic line voltage regulators with full magnetic isolation protects computer & similar equipment from line voltage surge or "sag" damage. Provides "clean" 120 VAC 60 Hz output from inputs of 90 to 135 VAC 60 Hz. Low input shutdown @ 50% of nominal. OVP shutdown @ 12% above max output. 7.8x13x10.4: 1000 VA output with one large L5-20R receptacle; 45 lbs sh. #SC-100A-PC, New, $99.50

60 Hz - 400 Hz Converter

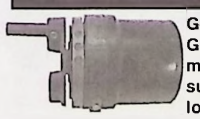
Static Frequency Converter, Input 120V 60Hz to 117V 400Hz 500 watts single phase. Overload protection. With maintenance manual, power input cable and connector for output. 21x12x15, 120 lbs sh. Unused, #CV-2488, $380.00

Saber / Astro Charger

Motorola NTN4734A Saber / Astro Battery Desktop Charger. Output 9.5VDC 1.5A. Requires 115 VAC 60Hz. It has been tested and is in good physical condition. With power cord. 6.5x7.6x3.3, 6 lbs sh. #NTN4734A, Used, $35.00

As above but less power cord. #4734A-NOCORD, Used, $30.00

Handcrank Generator



G-41 (or equal) Handcrank Generator, used in various military phone equipment such as TA-312. 90V w/ very low amps. Use to replace "dead" generator in antique phone or for remote bell ringer or as "worm shocker". 4"L x 2.5" daimeter. 4 lbs sh. #G-41, Used, $52.00

PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Other Semiconductors

RCA 40820 Transistor N channel dual gate protected mosfet. Vds 20 PtW 0.33 Gps db 17 NF 4.5 @ 200Mhz Crss 0.02pf. V(BR)DSS (V) : 20. V(BR)GSS (V) : 9.0. I(D) Max. (A) : 50m. Absolute Max. Power Diss. (W) : 330m. Maximum Operating Temp (?C) : 175. #40820, $4.95 each

2N3716, $2.50 2N4126, 5/$1.25 2N6292, 2/$1.25
2N3739, $2.50 2N5428, $1.25 2N6675, $4.50

- - - - - - - - - - - *REGULATORS* - - - - - - - -

1.2-37V 1.5A out; 0.03% load reg., #LM-117K, $4.00
30W 3 amp 5V positive regulator, #LM-123K, $2.25
Negative adjustable regulator, #LM-137K, $2.25

- - - Metal Oxide Varisters "MOV" - - -

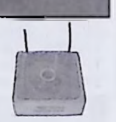
Part #	VAC	Joules	Amp Pk	Price
S14K60	60	17	4500	$1.00
S14K130	130	34	4500	$1.15
S10K230	230	36	2500	$1.20
S14K175	175	46	4500	$1.30
S14K275	275	71	4500	$1.45
250L20	250	72	4500	$1.50
75UL	275	75	4500	$1.60
Z510LA40A	510	110	4500	$1.80
140UL	275	140	6500	$1.90
S20K510	510	280	6500	$2.00

- - - - IsoTop Power MOSFET - - - -

Power MOSFET, Low gate charge- Fast Switching Rds on 0.180 ohm, Id continuous 40Amps Pd watts 690, Ciss(pf)11715 Qg (nC) 468, removed from equipment, no hardware. Hardware required is metric. 15/16"D x 1 7/16"W x 7/16"H, #APT8018, $17.00

Rds on 0.150 ohm, Id cont. 38Amps, Pd watts 520, Ciss(pf)5540 Qg (nC)242 removed from equipment, no hardware. Same style as above. #APT6015, $16.75

Rectifiers



25 Amp 100 Volt Bridge Rectifier with wire terminals. #NBS25-100L, $2.75

1 AMP 50 PIV, #1N4001, 20/$1.20
1 Amp 400 PIV, #1N4004, 15/$1.20;
1 Amp 1000 PIV, #1N4007, 10/$1.20
12A 100V, #1N3890, 4 for $3.50
20 Amp, 100PIV, #1N249B, $1.25
35A 100V, #1N1184, Used, $1.50
200 PIV 300 A; 4" tail. #D-R610-0230, Used, $10.00
RF DIODES: 1N21, $1.50; 1N23, $3.00

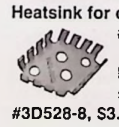
Diode Heatsink Assembly

SILICON CONTROL RECTIFIER assembly single phase half-wave; GE #C1411CX5 or equivalent. Rating approx 500V 35 amps. 7x6.3x5, 4 lbs sh. #KS-19576L1, Used, $9.50

Power Heatsink with giant diode. We approximate the diode to be at least 100 amps. Heatsink 6x4x3. #PWR-HS,Used,$10

Heatsinks

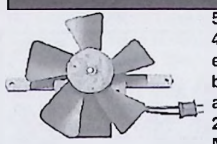
1.75" square Heatsink for one TO-3. Has 4 mounting holes. #680-.75A, Unused, $1.75



Heatsink for one TO-3. 1.9" x 1.4", #THM-6013, Unused, $1.50

HEATSINK, 5x3x1.6; drilled for 3 large stud rectifiers (1" dia recesses), #3D528-8, $3.00

AC Fans



5-BLADE COOLING FAN, 4.6" dia rotation; no enclosure. Mounting bracket hole centers 5.9" apart. 115 VAC 60 Hz. 2 lbs shipping. Mfg by Airtrol. #11-2100, New, $6.95

+ +

AXIAL FAN, 4.7" sq X 1.5" thick; 115 V 60 Hz.

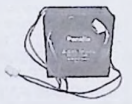
5-BLADE in metal frame; 18 W. Various mfg. #FN-5U, Used, $12.95

6 Fan Panel

17.3"W X 10.5" panel frame has six 4.6" square 3-blade metal-framed fans. Each fan rated 57 CFM and requires 115 VAC 50-60 Hz 9 watts; 12 lbs. #6F-PNL, Used-excellent, $53.00

DC Fans

Mini BOXER 12 VDC FAN, 0.13 amp; 3.6" sq X 1". #3610NL, New, $14.00



PANAFLO MINIATURE 12 VDC FAN 2.3" sq. #FBP-068-12L, New, $12.00

AXIAL FAN, 4 3/4" square X 1 1/2" thick; 12VDC 0.5amps 6 watts. 3-BLADE, Unused, #12B1NDNX, $18.00

PAPST 18 VDC 2 w / 30 VDC 3 W FAN 9-blades; 3.5" sq X 1" deep. #3124F, New, $13.00

CENTAUR 24 VDC AXIAL FAN, 11 watts but operates well at 12 VDC. 4.7"sqx 1.5" D metal frame with 5-blade plastic fan; 2 lbs sh. #CNDC24K4-601, Unused, $12.95

IC Sockets

LOW PROFILE

16 PIN, #ICS-16-LP, 12 for $1.00
20 PIN, #ICS-20-LP, 10 for $1.00
22 PIN, #ICS-22-LP, 6 for $1.00
24 PIN, #ICS-24-LP, 6 for $1.00

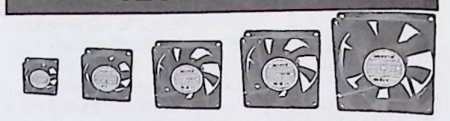
STANDARD

24 PIN, #ICS-24-S, 2 for $1.00
28 PIN, #ICS-28-S, 2 for $1.20
40 PIN, #ICS-40-S, $1.00 each

WIRE WRAP

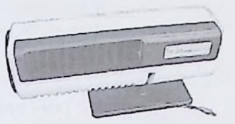
14 PIN, #ICS-14-WW, 6 for $2.00
18 PIN, #ICS-18-WW, 5 for $2.00

12VDC Fans



12VDC DC Fans with sleeve type bearing. New,
1.6"x1.6"x0.48", 3CFM, #BSS12/4LC, $4.80
2.4"x2.4"x1.0", 11CFM, #BSS12/6LC, $6.00
3.1"x3.1"x1.0", 15CFM, #BSS12/8LC, $5.40
3.6"x3.6"x1.0", 22CFM, #BSS12/92LC, $5.95
4.7"x4.7"x1.0", 44CFM, #BLS12LC, $11.95

Hupp Vehicle Fan



12 VDC HUPP FAN with oscillating grill designed for use in cars, trucks, buses, RV's, etc where "extra" air movement is desired. Plugs into vehicle cigarette lighter and mounts on dashboard or other flat surface. White plastic enclosure has black grill and pivots on mount to adjust angle. Includes 4 ft cord and brackets. 5 x 9 x 3.4, 4 lbs. #HUPP-200-14, New, $16.50 each; 3 for $40.00

Blowers

Blower Motor by Motordyne. 4500 RPM. Requires 27.5VDC at 1 amp. 5.7x3.8, 5 lbs sh. #2317-12, Used, $12.95

Selsyns & Synchros

CONTROL TRANSFORMER 90/55 V 60 Hz; 3.6"Lx2" dia. 2 lbs. sh. #1HCT-MKII, Used, $27.00

RECEIVER, 115 VAC 400Hz, #23TR4, used, $14.00

TACHOMETER GENERATOR, motor 265 V 400 Hz 2 phase: generator 18 V 400 Hz 0.3V/1000 RPM. No load speed 10000 RPM. 2 1/8"Lx1" dia 3/16"Lx1/8" dia shaft. #TACH-SEL-MOD, $12.00

PHASE SHIFTER, unsymetrical resolver; rotor 1 phase 5 V 30 Hz. stator 2 phase 5 V 30 Hz. 1.4" dia x 2"L. #PS-17-E-1, used, $14.00

AY-1 AUTOSYN as used in I-81/ I-82 indicators; 2 lbs sh. #AY-1, $11.00

+ +

UNITED STATES NAVY SYNCHROS, Description and Operation, a copy of Publication #OP 1303 printed April 1958; 100 + page primer about selsyn/synchro theory and types. #BK-USNS, $18.00

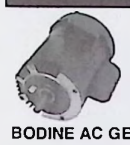
Compass Indicators

3" DIA 0-360 deg-ree RADIO COMPASS INDICATOR, adaptable for wind direction & antenna position use; 5 degree increments, 2 lbs shipping. #I-81, Used, $19.00

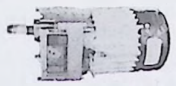
SPERRY MARINE INDICATOR MARK XX MOD.2, part of shipboard gyro-compass repeater. Has 8" dia 360 degree scale in 1° increments under glass; uses two Size-5 115 VAC 60 Hz selsyn transmitters. One drives inner directional indicator; second outer degree scale. With 7 ft cable & special connector; 10" dia X 8.5"D; 45 lbs sh. #IN-SPERRY, Unused,$175.00

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

AC Motors



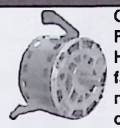
A.O. Smith AC Motor 1725 RPM 1/2 HP 115/230 VAC 60 Hz Single Phase Input, 8.7/4.3 Amps. Shaft 2"Lx5/8"dia with keyway. O/a 11x8x8.5, 14 lbs sh. #44450, Unused, $175.00



BODINE AC GEARHEAD MOTOR 200 RPM 1/7 HP 35 in/lb torque, counter-clockwise rotation; 115 VAC 60 Hz input. Shaft 1.3"Lx 5/8"dia w/ 3/16" square key. O/a 8.5"Lx5.6" dia; 14 lbs sh. #ECCI-35E200, used, $38.

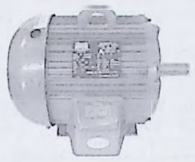
240 RPM 115 V 60 Hz GEAR MOTOR for intermittent use; starts @ 32 V approx 200 RPM. Increased volts increases torque. Gearhead extends 2.8" beyond motor; 1.1"Lx1/4" dia shaft. Motor 2.8x2.8x2.4 + 5/8"x3/16" dia shaft for fan on rear, 3 lbs sh. #MOL-2460, unused, $7.95

115 V AC-DC MOTOR, starts at 25 VDC, runs CW approx 7000 RPM 1/8 HP. 2.3x3x4.5 + 1.5"Lx0.4" dia spiraled shaft; 3 lbs sh. #AC-DC-H02, $5.00



GENERAL ELECTRIC REVERSIBLE FAN MOTOR, ball-bearing 115 VAC 60 Hz 1 amp 225 RPM motor. Use with fan blades unless cooled by other means. Has mount flanges and 5 mf capacitor; 4.5"Lx5.5" dia + 1.5"L x5/8" dia hollow shaft, 11 lb #5KCP39EGH210, New, $14.00; 3 / $23.

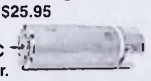
Ametek Shop Vac Motor. This is the very high speed motor used in some shop vacuums. Unit as pictured, motor only with small cooling blades. Shaft approx .5 inch long, 5/16 diameter. 5.3x4.6x4.6, 5 lbs sh. #17749-00, Unused, $14.95; 3 for 26.00



"Ultimate Hostile Duty" Motor by Lincoln Motors. 230/460VAC 60Hz, 3 phase, 5HP, 1745RPM, 13 amps at 230V, 6.5 amps at 460V. FR184T. 15.3x11x12.3, 90 lbs sh. #LM15638, Unused, $289

DC Motors

6 to 24VDC Gear Motor by Globe. Rated at 54 RPM at 24VDC; 23 RPM at 12VDC; and 11 RPM at 6VDC. Originally designed for 24VDC. Removed from the AM-3349 amplifier. 1/4" diameter shaft x 3/8" long. O/A 4.2x2x1.6, 3 lbs sh. #5A2871, Used, $25.95



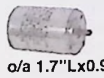
DC MOTOR, operates over 10-15 VDC 100 ma 2375-2425 RPM with governor. Shaft 5/16"L x 1/16" dia; o/a 2.9x1.1. #AST-GK26, $12

MULTI-SPEED 24 VDC PM MOTOR can be wired for 11500 RPM 0.012 HP 0.7 amp or 3000 RPM 0.033 HP 2.3 amp operation; motor starts to turn at 9 VDC and is reversible. 6"x2.3" dia with 3.6" dia collar; geared shaft 0.6x0.4" dia. 3 lbs. Sperry mfg. #2960031, used, $12.95

24VDC PM Motor, will run from 6 to 30VDC at approximately 200 RPM per 6V. 5/8" dia. shaft is 2"L one end, 5/8"L on other. 10"L x 3/8" Dia., 16 lbs. #DH-4000-AD7, Used, $56.00

24-29VDC Motor by Globe Industries. No load ratings 60 RPM and 0.5 amp. Has removable cam on shaft. 1/4" dia. shaft. 5x1.5x1.5, 2 lbs sh. Used, #C5A1054, $21

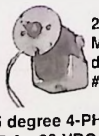
27VDC 2.4 Amp 3600RPM 1/30 HP Motor by Delco. 6.5x2.9x3, 1/4" diameter shaft. 6 lbs sh. #A7155, Unused, $6.95



Globe 27 VDC Mini-PM Motor, p/o Collins 618T P-A; splined shaft 1/4"L x 1/8" dia; o/a 1.7"Lx0.9"dia. #41A205, used, $7.50

GLOBE 27 VDC 1/100 HP MOTORS, 2.5"IX1.3" DIA 11000 RPM, p/o ARC-45, #C-25A686, used, $12.00

JOHN OSTER SERIES MOTOR, 27 VDC 1/100 HP 7000 RPM. 3"Lx2" dia + 1"L x 1/4" dia shaft; 2 lbs sh. #C2BP1A, Unused, $6.00



28VDC 1.1 Amp Motor by John Oster Mfg. 12000 RPM. 1 oz. in. torque. 3/16" diameter shaft. o/a 4.8x2.3x3.3, 3 lbs #BL-2-IS, Used, $11; 3 / $29

15 degree 4-PHASE VR STEP SERVO, 5 ohms 1.5 A; 28 VDC input pulse 3/4x 1/4" dia shaft; o/a 3x3 1/4x3, 2 lbs. sh. Made in Canada; removed from equipment. #20M34C1, $14.00

NORTHFIELD ELECTRIC or HAMILTON BEACH, 28.5VDC, 5800 RPM motor. 4 amp with 1/15 HP. 1/4" dia shaft with removeable gear x 1/2" long. o/a 4" x 2.3", 3 lbs, #ALC-1000, Used, $16.95

As above but 1/33HP, 3000RPM, 2.5A, #AWC-1000,$14

15 DEGREE STEPPER MOTOR from printer; requires +9 to +40 VDC. High speed & performance w/ driver circuit info. 1x1.3" dia shaft; o/a 5.8"x1.6" dia, 2 lbs sh. 2 ohm field, #RBM-2-62, $18.00

4 ohm, #RBM-4-62, $21; 5.8 ohm, #RBM-6-62, $23

Motor Start/Run Caps

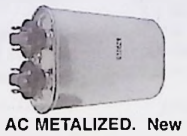
MOTOR START AC ELECTRLYTIC. New not surplus.

110/125 volt

21-25mfd, #MSC125V21, $3.96
124-149mfd, #MSC125V124, $4.64
161-193mfd, #MSC125V161, $4.93
189-227mfd, #MSC125V189, $5.26
216-259mfd, #MSC125V216, $5.58
270-324mfd, #MSC125V270, $6.12
590-708mfd, #MSC125V590, $10.48

220/250 volt

21-25mfd, #MSC250V21, $4.93
30-36mfd, #MSC250V30, $5.29
53-64mfd, #MSC250V53, $6.55



MOTOR RUN AC METALIZED. New not surplus.

370VAC

2mfd, #MRC370V2, $6.88
4mfd, #MRC370V4, $6.89
5mfd, #MRC370V5, $7.87
7.5mfd, #MRC370V7R5, $9.50
10mfd, #MRC370V10, $10.26
15mfd, #MRC370V15, $14.69
25mfd, #MRC370V25, $17.82

440VAC

10mfd, #MRC440V10, $12.87
20mfd, #MRC440V20, $20.05
25mfd, #MRC440V25, $22.43

RF Capacitors

Centralab 850- TYPE "doorknob" capacitors, 7.5KV, 0.5"H x0.8" di; Used, $8.25

#850-(specify pf),
10, 12, 25, 28, 40, 47, 50, 57, 67, 75 pf

Centralab 850 type 100pf #850-100, $10.95

Two 500 pf 15KVDC Capacitors mounted on a 2.5"x 1.7" aluminum plate. #HVCAP-ASSY, $7.50

1200pf 5KV from Ceramite, epoxy make, same size as above. #CERA-1200, $8.25

TYPE 857: 15KV, 40 or 50pf, #857-(specify pf), $14.

JAN CM-size 1.8" x1.6". Used, $1.75:

Brown Mica

MFD	WVDC	CM	Part #	Price
.01	600	55	BM-01	$2.75
.02	600	55	BM-02	$2.00
.033	600	55	BM-033	$2.00
.005	1200	55	BM-005	$2.00

CM	MFD	WVDC	Part #	Price
55	.0003	1200	BM55-0003,	$3.50
65	.0062	2500	BM65-0062,	$4.50

F1L-size MICA, 2.8x1.5x1:

MFD	WVDC	Part #	Price
0.006	2500	BM1-006	$5.50
0.0007	3000	BM1-0007	$5.50

F3L 0.007mf 500VAC, #BM3-007, $12.00

Transmitting Mica

G-SERIES TRANSMITTING CAPACITORS, used-good or unused as available.

G-1-type, 2.3"H x 2.8" dia; 3 lb $8.75

KV	MFD	Part#	KV	MFD	Part#
1.5	0.08	1TM-08	6.0	0.0001	1TM-0001
1.5	0.09	1TM-09	6.0	0.0002	1TM-0002
1.5	0.039	1TM-039	6.0	0.00024	1TM-00024
			6.0	0.003	1TM-003

G3, 4"H x5" dia, $21.00

KV	MFD	Part#	KV	MFD	Part#
20.0	0.00015	3TM-00015	10.0	0.00015	3TM-00015

G4, 5.5"Hx 5" dia. 8 lbs. $37.00

KV	MFD	Part#
4.0	0.084	4TM-084

AC Capacitors

7.5 mf 260 V, 2.8x2x1.3, #AC-7.5-260, $3.00
3.5 mf 330 V 1.3x2.1x2.1; #AC-3.5-330, $3.50
2.5 mf 360 V 1.2x2x2.6; #AC-2.5-360, $4.00
3 mf 370 V 1.3x2x2.7; #AC-3-370, $4.00
10 mf 370 V, 2.8x3x1.8; #AC-10-370, $5.25
4 mf 380 V 1.3x2x4; #AC-4-380, $4.50
7.5 mf 480 V 1.6x2.6x4.6; #AC-7.5-480, $5.50
21 mf 525 V 1.9x3.5x6.7; #AC-21-525, $9.50

Computer Grade

MFD	Volts	Size	Part#	Price
23,000	7	5.5x1.5	CGC-7	$1.25
90,000	10	6x3	CGC-10	$1.75
18,000	19	4.5x1.5	CGC-19	$3.00
5,200	20	3.4x1.3	CGC-20	$2.50
25,000	35	4x2.5	CGC-35	$5.00
6100	40	5.8x1.3	CGC-40	$3.00
9500	40	3x2.5	CGC-9500	$3.50
4900	50	3.5x1.5	CGC-50	$3.00
15,000	50	4x2.5	CGC-15000	$4.00
3500	55	4x3	CGC-55	$2.25
1400	150	4x1.75	CGC-150	$8.00
1000	200	3.4x1.75	CGC-1000	$12.00
770	200	4.7x1.3	CGC-200	$19.00
2000	250	4.5x1.5	CGC-250	$12.00
1500	350	4.5x2.5	CGC-350	$19.00

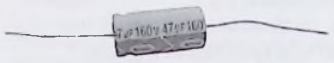
Buy 5 or more one type - take 20% off

CLAMP for computer grades:
2" diameter, #CL-2, 3 for $3.00

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

Electrolytic Axial

All the Electrolytic Capacitors listed below are axial lead and are new unless otherwise mentioned.



Less than 50 volts

mfd	part #	price	4-9	10+
50mf 16V	ELE-50-16	4/$1.00	$0.25	$0.23
100mf 16V	PC Mt, #ELE-100-16, 4/$1.00			
6800	ELE-6800-16	2/$0.70	$0.25	$0.23
5mf 35V	ELE-5-35	2/$0.70	$0.25	$0.23

50 volts

mfd	part #	price	4-9	10+
1	NEH1.0M50AA	3/$1.20	$0.39	$0.34
2.2	NEH2.2M50AA	3/$1.20	$0.39	$0.34
4.7	NEH4.7M50AA	3/$1.20	$0.39	$0.34
10	NEH10M50BA	3/$1.30	$0.42	$0.37
22	NEH22M50BB	2/$1.00	$0.45	$0.39
33	NEH33M50CB	2/$1.00	$0.45	$0.39
47	NEH47M50CB	2/$1.00	$0.45	$0.39
100	NEH100M50CC	$1.00	$0.97	$0.90
150	NEH150M50	$1.29	$1.25	$1.18
220	NEH220M50DD	$1.29	$1.25	$1.18
470	NEH470M50EE	$1.69	$1.64	$1.56
1000	NEH1000M50FF	$2.62	$2.55	$2.41
2200	NEH2200M50FG	$4.84	$4.71	$4.45
4700	NEH4700M50JB	$8.48	$8.25	$7.81

63 volts

mfd	part #	price	4-9	10+
1500	ELE-1500-63	2/$1.20	$0.55	$0.50

160 volts

mfd	part #	price	4-9	10+
10	C-ET10-160	$1.27	$1.22	$1.15
22	C-ET22-160	$1.52	$1.47	$1.38
47	C-ET47-160	$2.05	$1.98	$1.84
100	C-ET100-160	$2.24	$2.15	$1.99
220	C-ET220-160	$3.99	$3.80	$3.50

200 volts

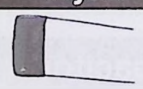
mfd	part #	price	4-9	10+
1	ELE-1-200	2/$1.20	$0.55	$0.50

450 volts

mfd	part #	price	4-9	10+
10	MB-10-450	$1.39	$1.39	$1.39
22	MB-22-450	$2.70	$2.50	$2.30
47	MB-47-450	$2.95	$2.75	$2.50
47mf 450V PC Mt, #E-47-450, $2 ea; 10/$10				
100	MB-100-450	$3.49	$3.29	$2.99

470mf 450V PC Tab Mount, #MB-470-450, $5.95 ea; 5 for $24.95

Mylar



The MLR series is a range of radial lead non-polarized polyester film (Mylar) capacitors dipped in a hard epoxy coating material to provide excellent protection against moisture. These devices are intended for general purpose DC applications.

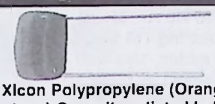
100 volt

mfd	part #	price	4-9	10+
.0022	MLR222K100	3/$1.00	$0.29	$0.22
.0047	MLR472K100	3/$1.00	$0.29	$0.22
.01	MLR103K100	3/$1.00	$0.29	$0.22
.022	MLR223K100	3/$1.00	$0.29	$0.22
.047	MLR473K100	3/$1.19	$0.36	$0.29
.1	MLR104K100	2/$1.00	$0.46	$0.39
.22	MLR224K100	2/$1.39	$0.65	$0.59
.33	MLR334K100	$0.99	$0.89	$0.76
.47	MLR474K100	$1.05	$0.99	$0.92

630 volt

mfd	part #	price	4-9	10+
.001	MLR102K630	2/$1.19	$0.56	$0.52
.01	MLR103K630	2/$1.00	$0.46	$0.39
.022	MLR223K630	2/$1.00	$0.46	$0.39
.047	MLR473K630	2/$1.19	$0.55	$0.49
.1	MLR104K630	2/$1.65	$0.79	$0.72
.47	MLR474K630	$1.99	$1.89	$1.79

Orange Coating



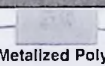
All the Xicon Polypropylene (Orange Coating type) Capacitors listed below are in new condition.

630V

MFD	Part#	Price	4-9 pcs	10&up
.001	OMB001	2/$1.00	$0.45	$0.39
.0022	OMB0022	2/$1.00	$0.45	$0.39
.0047	OMB0047	2/$1.00	$0.45	$0.39
.0056	OMB0056	2/$1.19	$0.55	$0.49
.0068	OMB0068	2/$1.19	$0.55	$0.49
.0082	OMB0082	2/$1.19	$0.55	$0.49
.01	OMB01	2/$1.19	$0.55	$0.49
.022	OMB022	2/$1.19	$0.55	$0.49
.033	OMB033	2/$1.19	$0.55	$0.49
.047	OMB047	2/$1.50	$0.69	$0.59
.056	OMB056	2/$1.50	$0.69	$0.59
.068	OMB068	2/$1.50	$0.69	$0.59
.082	OMB082	2/$1.50	$0.69	$0.59
.1	OMB1	2/$1.50	$0.69	$0.59
.22	OMB2	$1.00	$0.95	$0.85
.47	OMB47	$1.95	$1.75	$1.50
1.0	OMB1MFD	$1.96	$1.76	$1.51

0.33mf 100V orange drop, #OR-33, 2/1
0.68mf 100V orange drop, #OR-68, $0.95

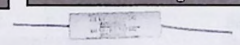
Metalized Polyester



All the 630V Metalized Polyester Tubular Capacitors listed below are new.

MFD	Part #	Price	4-9 pcs	10&up
.001	YMB001	2/$1.50	$0.69	$0.59
.0022	YMB0022	2/$1.50	$0.69	$0.59
.0033	PY0033	2/$1.50	$0.69	$0.59
.0047	YMB0047	2/$1.50	$0.69	$0.59
.0056	YMB0056	2/$1.50	$0.69	$0.59
.0068	YMB0068	2/$1.50	$0.69	$0.59
.01	YMB01	2/$1.70	$0.79	$0.69
.022	YMB022	2/$1.70	$0.79	$0.69
.033	YMB033	2/$1.70	$0.79	$0.69
.047	YMB047	2/$1.70	$0.79	$0.69
.056	YMB056	2/$1.70	$0.79	$0.69
.068	YMB068	2/$1.70	$0.79	$0.69
.1	YMB1	$1.25	$1.15	$1.05
.22	YMB22	$1.25	$1.15	$1.05
.47	YMB47	$1.25	$1.15	$1.05
.68	PY68	$1.95	$1.80	$1.60
1.0	YMB1MFD	$1.96	$1.81	$1.61

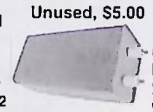
HV Capacitors



HV Axial Capacitor

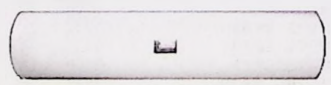
0.01 mfd 10,000 volts Made by Dearborn. 5/8" diameter x 2 1/4", #430P, New, $5. each; 3 / $12.00

0.1mfd 3500VDC. Single terminal (Case Ground). Made by Aerovox. 4.2 x 1.3, #3514D, Unused, $5.00



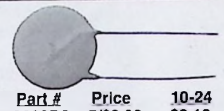
Energy Storage Cap Non-PCB, 88MF 1.2 KVDC, 10"Hx 4.5" Wx3.5"D, #HVC-88, 11 lbs Used nice condition, $26; 4 / $79.50

5MFD 1KVDC, 6"Hx2.8"Wx1.5"D, Unused, #HVC-5, $8.75



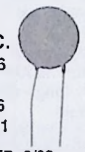
0.4 MFD 100,000 VDC Capacitor, A HV experimenter's dream! 41" long x 8.7" dia. 0.4 MF 100,000 VDC capacitor removed from an exotic government project! Non PCB. 1.4"L x .5" dia #18 stud ends, 97 lbs sh. #100MV04, $395.

1KV Disc Capacitors



	Part #	Price	10-24	25+
3.3pf	9003D3	5/$0.99	$0.18	$0.16
5.0pf	9005D0	5/$0.99	$0.18	$0.16
10pf	90010	5/$0.99	$0.18	$0.16
20pf	90020	5/$0.99	$0.18	$0.16
47pf	90047	5/$0.99	$0.18	$0.16
68pf	90068	5/$0.99	$0.18	$0.16
100pf	DSC-100	7/$1.00		100/$9.00
120pf	90112	5/$0.99	$0.18	$0.16
220pf	90122	5/$0.99	$0.18	$0.16
330pf	90133	5/$0.99	$0.18	$0.16
470pf	90147	5/$0.99	$0.18	*$0.13*
680pf	90168	5/$0.99	$0.18	*$0.13*
820pf	90182	5/$0.99	$0.18	$0.16
1000pf	90210	3/$0.99	$0.29	*$0.19*
2200pf	90222	3/$0.99	$0.29	$0.24
4700pf	90247	3/$0.99	$0.29	*$0.19*
7500pf	90275	3/$0.99	$0.29	$0.24
0.01µf	90310	3/$0.99	$0.29	*$0.19*
0.050µ	90350	$0.99	$0.94	$0.88
0.10µf	90410	$1.29	$1.22	$1.14

90pf 3KV Disc Cap,#DSC-90-3,8/$2.50
90pf 5KV Disc Cap, #DSC-90-5, 6 / $2
180pf 5KV Disc Cap, #DSC-180, 6 / $2.
1500pf 10KV Giant Disc Capacitor, #DSC-1500, $4.00; 4 for $12



HV Disc Cap made by MDC.
1500pF 21KV, #Z5R-1500-21, $6
2500pF 8KV, #Z5R-2500-8, $6
2500pF 12KV, #Z5P-2500-12, $6
1000pF 35KV, #Z5R-1000-35,$11

0.1mfd 25V Disc Cap, #DSC-0.1MFD, 8/$2

Multi-Section Caps

The Multi-Section Capacitors listed below are various mfg. To see a further listing of multi-section caps go to fairradio.com

300-100-80MFD at 150-150-150 Volts 2.5X1.3 #MULT-300, $8.95

45-45 MFD at 400V-400 Volts from R-390A audio deck. 3.6x1.3, Used, #R390A-CAP, $14.95

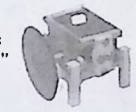
Feed- Thru Suppression Caps, ERIE 1202 1000 pf 1KV. Used, #1202-1000, 3/$3.25

Air Variable

5 Gang Air Variable Capacitor covering 20 to 425pf per gang with a .02" air gap. Has a 3/8" diameter shaft x 1/4" long. Overall 6.4x 3.2x2.8, 4 lbs sh. #5G-425, $22.00

3 Gang, 4-25pf, 4-20pf, and 3-17pf. Air gap of around 0.03". 1.4"L x 1/8" diameter shaft. o/a 4x1.4x1.3, 1lbs sh. #3G-25, Unused, $8.50

2 Gang Air Variable Capacitor, 14-78pf and 17-100pf with a 0.09" air gap. Shaft is 3/4" L x 1/4" Dia. O/A 5.3x1.5x3.3, 3 lbs sh. #C-221/T-195, Used, $23.00



SINGLE GANG 8-26 pf 0.06" air gap; 2.8" disc removes for 0.5"L x 1/4" dia shaft. W /four 1.8"H insulators. Capacitor 1.5x2.8x3.1 o/a #T7660443-8, used, $8.50

Tuning Capacitor Assembly for RT-66-67-68 transmitters. 6 sections; four 8-64pf, two 8-55pf. Also six 4-23pf trimmers. Dual geared 3/8" diameter shafts; 4.8x4.8x3, 3 lbs sh. #3D9067E6, Unused, $12.00

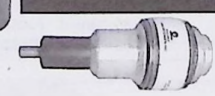
Single gang 6-35pf with screw driver adjust shaft. 500 volts or less. 0/a 1.2x0.9x1.2, #1G-35, Unused, $1.95

Trimmer caps w/ screwdrive adjust shafts:

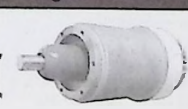
#C2-8,	2-8pf,	3 / $2.50
#C653/R174,	2-11pf,	3 / $2.50
#C103/382,	4-23pf,	3 / $3.25
#C5-25,	5-25pf, NPO	3 / $3.50

Sub-mini Piston Trimmer Cap 1.5-4.0pf 500V. By JMC mfg. #7666, Unused, $7

Vacuum Capacitors



Vacuum Variable 10-1000pf at 5KV and have 1/2" dia. shafts. Overall size 7.5" long x 2.8" dia. Used high pot tested. 5 lbs sh. Energy Lab, Ceramic, #EL5-1000-5,$230



500pf at 15KV, 3 1/4"D x 7 1/2"H, 1/2" dia. shaft. 7 lbs. #CVDD-500-15N613, $360.00

1500pf at 10KV, 5.5"D x 9"H, 1/2"dia shaft, 14 lbs, #CVDB-1500-10, $475.00
As above but 2300pf #CVDB-2300-10,$550

3.5-7 pf 35 KV 4.3"Lx3" dia, 5 lbs sh. UNUSED, #CVA-7-5, $99.00

Ceramic Vacuum Variable Capacitors. Each capacitor has a 3/8" dia. shaft with removable pin. Used.

300pf at 10KV, 3 5/8"D x 8 1/2"H, 7 lbs sh. #CVDD-300-10, $299.00

200pf at 10KV, 3 5/8"D x 8 1/2"H, 7 lbs. #CVDD-200-10, $299.00

FIXED VACUUM CAPACITORS

various mfg; used:
3pf 25 KV cer. ;3.3Lx0.8, #CY-3-25, $17
25pf 10 KV, 2.6Lx1.5, #JCS-2A-10, $21
12pf 20KV; 6.5Lx2.8, #VC-12-20, $20
12pf 30KV; 6.5Lx2.2, #CLF1-12-0030, $31

CALL US AT 419-223-2196 or 227-6573 24 HOUR FAX 419-227-1313

Potentiometers

2 ohm Potentiometer. Around 2 watts. Unused, #83-4072, $3.50

10-TURN PRECISION POTS, 1/4" dia shafts. 100 ohm 2.8"Hx 1.8"dia. #A-R100-L25, $9.50

500 ohm Precision Potentiometer. Wattage unknown. 2.9"Diameter. 1/4" diameter. Made by Muter. #POT-500, $5.00

Grimes Four Section Potentiometer with knob. 1 K ohm at 2 watt per section. #A-4627, Unused, $4.

2000 ohm potentiometer Screwdriver adjust by Clarostat. 1.25" in diameter. #POT-2K, Unused, $3.00

Plastic Potentiometer 2000 Ohms, 5/8" square, 1/4" mounting hole, 1.5" long 1/4" shaft for knob. #POT-2KP, Unused. $1.50

Mallory 5000 Ohm Potentiometer. 1/2" Diameter. 1/4" Mounting Hole, 1 1/4" Long 1/8" shaft for knob. #MLC53A, Unused. $3.00

5K ohm Potentiometer with a 2 amp 250V Switch. Unused, #344832, $4.00

7.5K ohm Pot with 3 amp 125V Switch. Unused, #SM-B-180861, $4.50

ALPS 10K ohm potentiometer with a pull on / push off DPST switch. 1/4" diameter shaft. Probably good up to 1/2 watt. Used, #N-800, $4.00; 4 / $14

10K ohm Screw Driver Adjust Trim Pot. #90H-103, Unused, $2.00

ALPS or = with switch; 5/8" dia + term. Shaft 1/4" dia. $1.50 each: #POT-10K, 10Kohm; #POT-50K, 50Kohm #POT-100K, 100K ohm

20K ohm Precision Wire Wound General Radio Style Potentiometer. Wattage unknown. Unused, #353-5235, $6.

10 turn 3 section potentiometer 20K x 20K x 20K ohm. Made by Litton. 1/8" diameter shaft. 2.8x1.8, #MDU19-10X3, Unused, $7.50

25K ohm Variable Resistor / Potentiometer. Wattage unknown. 3/8" dia. shaft. Unused, #3RA8101, $8.75

50,000 ohm TRIMMER potentiometer by PIHER. 0.6" in diameter. Accepts 1/8" flat shaft for adjust. #PT15NV24, Unused, $0.75 each; 10 / $7.00; 150 / $75.00

100K ohm Potentiometer by Clarostat. Wattage unknown. 1.7"Diameter. 1/4" diameter. #140-6333, Unused, $3.00

100K ohm Potentiometer. Around 1/2 watts. Unused, #CTS-238, $3.25

150K ohm Potentiometer with On/Off switch by Clarostat. Wattage unknown. 47ms 140-6901, 1"Diameter. 1/4" dia shaft. #5905-665-6947. Unused, $3

2 Mega Ohm at 2 watts Potentiometer by Ohmite. 1/4" shaft. #CU-2052, Unused, $3.00

Precision Resistors

DALE (or =) POWER RESISTORS metal-type:

Ohms	Watts	Tol.	Part#	Price
1.96	30	1%	PR-1.96	$3.00
50	20	3%	PR-50	$1.75
100	20	1%	PR-100	$1.75
1370	50	1%	PR-1370	$3.75

All the resistors below are 3 / $1.50

Ohms	Watts	Tol.	Part#
1.5	3.0	5%	PR-1.5
5	0.33	1%	PR-5
90	0.50	1%	PR-90
600	0.25	1%	PR-600
58K	0.50	1%	PR-58K
1.04M	0.33	1%	PR-1.04M

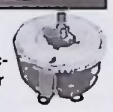
Ohms	Watts	Tol.	Part#	Price
0.33	3	1%	PR-0.33	2/$1.50
3000	2	1%	PR-3000	2/$1.50
902K	2	1%	PR-902K	3/$3.50

Slide Resistors

with variable slide adjust:

Ohms	Watts	Part#	Price
4	25 W + 4 fixed	SR-4	3/$2.75
15	50	SR-15	$1.75
16	225	SR-16	$8.50
20	25	SR-20	$1.25
50	50	SR-50	$1.95
100	50	SR-10050	$1.95
250	160	SR-250	$3.25
500	160	SR-500	$3.25

Rheostats



First set of numbers after RHEO-prefix is wattage; your choice of ohms is second set. SCD= screwdriver adjust type. Style varies; USED or UNUSED:

#RHEO-25W-(ohms), $3.25 ea
2, 6-scd, 7, 60, 150, 200-SCD, 350-SCD, 400, 450, 500,

#RHEO-D25W-250, Dual 250 ohm, $4.75
#RHEO-D25W-500, Dual 500 ohm, $4.75

#RHEO-50W-(ohms), $4.25 ea
0.5, 2, 4, 5, 8, 12, 18, 22, 200, 225, 300, 350, 375,

#RHEO-D50W-5, Dual 5 ohm, $6.00
#RHEO-D50W-16, Dual 16 ohm, $6.00
#RHEO-D50W-20, Dual 20 ohm, $6.00
#RHEO-D50W-30, Dual 30 ohm, $6.00
#RHEO-D50W-35, Dual 35 ohm, $6.00

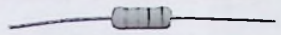
#RHEO-150W-2, 2 ohm, $5.50

#RHEO-225W-3, 3 ohm, $6.25

#RHEO-300W-50, 50 ohm, 3 lbs. $12

NTE Resistors

1/2 Watt to 2 Watt Metal Resistors



1/2 WATT
6 for $1.00

Ohms	Part #
1	HW1D0
10	HW010
47	HW047
100	HW110
120	HW112
220	HW122
470	HW147
1K	HW210
2.2K	HW222
4.7K	HW247
10K	HW310
47K	HW347
100K	HW410
240K	HW424
1M	HW510

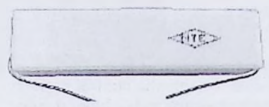
1 WATT
5 for $1.00

Ohms	Part #
1	1W1D0
10	1W010
100	1W110
180	1W118
300	1W130
510	1W151
1K	1W210
3.3K	1W233
10K	1W310
470K	1W447

2 WATT
5 for $1.00

Ohms	Part #
1	2W1D0
1.8	2W1D8
10	2W010
18	2W018
47	2W047
100	2W110
1K	2W210
2.2K	2W222
3.9K	2W239
10K	2W310
12K	2W312
100K	2W410

POWER WIREWOUND



5 WATT
3 for $1.09

Ohms	Part #
0.1	5WD10
0.22	5WD22
0.33	5WD33
0.47	5WD47
1.0	5W1D0
2.2	5W2D2
3.3	5W3D3
4.7	5W4D7
5	5W5D0
7.5	5W7D5
10	5W010
22	5W022
39	5W039
47	5W047
100	5W110
330	5W133
1K	5W210
4.7K	5W247
6.8K	5W268
10K	5W310

10 WATT
up to 1K ohm
3 for $1.15

Ohms	Part #
1.0	10W1D0
2.0	10W2D0
2.7	10W2D2
3.3	10W3D3
3.9	10W3D9
5.1	10W5D1
6.8	10W6D8
8.2	10W8D2
10	10W010
15	10W015
22	10W022
27	10W027
47	10W047
100	10W110
150	10W115
1K	10W210

10 Watt
over 1K ohm
2 for $1.19

Ohms	Part #
2.2K	10W222
2.5K	10W225
4.7K	10W247
10K	10W310
18K	10W318

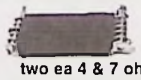
25 WATT
2 for $1.59

Ohms	Part #
1.0	25W1D0
2.0	25W2D0
2.7	25W2D7
3.9	25W3D9
5.1	25W5D1
6.8	25W6D8
8.2	25W8D2
10	25W010
15	25W015
20	25W020
27	25W027
47	25W047
75	25W075
100	25W110
150	25W115
220	25W122
1K	25W210
2.2K	25W222

Misc Resistors

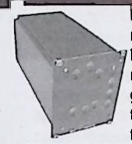
Ohms	Watts	Part#	Price
1	50	RS-1	$1.50
1.5	3	RS-1.5	5/$1.50
2.8	1000	RS-2.8	$25.00
15	95 Dale	RS-15	$1.75
22	53 Dale	RS-22	3/$3.50
160	20	RS-160	5/$3.00
200	113	RS-113	$2.25
250	250	RS-250	$3.50
900	54	RS-900	$1.50
2000	43	RS-2000	3/$3.00
2000	210	RS-210	$4.00
3000	68	RS-3000	$1.50
4000	50	RS-4000	$2.00
5100	210	RS-5100	$3.00
7100	145	RS-7100	$3.00
40M	2.5"L x .6"D	RS-40M	$7.00

Cableform Products 30 Megohm resistor. CJC, 30Kv , Ferrule connections. 30 watts, size 10.5 x 1 1/8 #Cableform-30M $29.00



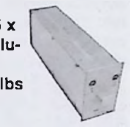
DALE 70 WATT 5% 6- RESISTOR BANK, two ea 4 & 7 ohm. one ea 6 & 8 ohm; 6"L x 3" H. #R6X70W, $5.25

Cases & Enclosures



Ideal enclosures for your next project! All items below are black aluminum chassis with dark grey front panels. The top and bottom of each of the units are heatsinked with 1/10" fins. The overall dimension of each unit is 9 5/8" deep x 5" tall. All enclosures have multiple 1/4" diameter holes on the front plate. They differ according to width. Used excellent.
1 15/16" Wide, 3 lbs sh, #ENC-4-2, $11
4 1/8" Wide, 4 lbs sh, #ENC-10-4, $13.50

Cast aluminum boxes for those RF and other projects where an inexpensive sturdy box is needed. Boxes have various late 1970's transistors and components and circuit boards. Used.

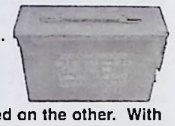


Cast aluminum box. 7.5 x 2.625 x 7.5 has sheet aluminum side panels and male DB9 connector. 2 lbs sh. #BOX68429, $7.00

Similiar to above but has 5 internal compartments seperated by cast walls. Four sections each 13/16 x 4 1/8 x 1 1/16 and one section 2 13/16 x 2 3/16 x 1 5/16. 2 lbs. #BOX295C, $9

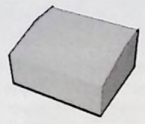
Medium cast box 6 1/2 x 4 1/4 x 1 1/2 with provision for mounting circuit board at approx 3/4 inch depth. Two sheet aluminum covers. 3 lbs sh. #BOX641, $12.00

INSTRUMENT CABINET for HP-test set; adapt to other uses. 7.6"H x 19"Wx9"D + 4"D cover less 1" overlap; three 6"Hx5"W compartments; w/fastners & strap; 17 lbs sh. #CS-HP3550, used, $37.00



Steel Ammo Box, ideal for your tools. Inner Dimensions are 3.4 x 10 x 6.5. Hasp fastener on one side and hinged on the other. With rust. Carrying handle. 6 lbs sh. #ENC-AMMO, Used, $7.00; 6 for $26.00

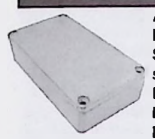
Low profile cast aluminum enclosure. Removeable top. Has some small holes. 5.8x2.5x1.6, 2 lbs sh. #LP-1 used, $8.50



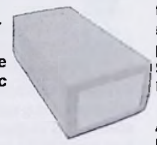
15 Degree Slope Enclosue. The base is 18 ga. steel for extra strength. Easy to machine - aluminum top panels are 0.064" thick aluminum. Back is also aluminum. Sides pre-assembled with a two tone grey powder paint finish (base is dark satin gray, slope top is smooth light grey). Comes with four self adhesive rubber feet and required hardware. Hammond Mfg. New,
4.5" W x 6" D x 2.1" Rear Ht x 1.1" Front Ht, 3 lbs sh. #515-0910, $23.93
7.4" W x 6" D x 3.8" Rear Ht x 2.8" Front Ht, 5 lbs sh. #515-0940, $29.45
11.7" W x 7.7" D x 2.1" Rear Ht x 1.2" Front Ht, 5 lbs sh. #515-0950, $35.59

GET A BETTER PICTURE OF OUR ITEMS AT FAIRRADIO.COM

Enclosures

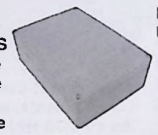


ALUMINUM SEALED DIE-CAST ENCLOSURE. These enclosures provide effective EMI- and RFI-shielding. The mounting holes and the screws for the lid are outside the sealed area, which prevents moisture and dust from entering the enclosure. New.
2.5" x 2.3" x 1.4", #G104, $9.20
4.5" x 2.6" x 1.2", #G106, $12.00
6.7" x 4.8" x 2.2", #G1201, $29.95
8.7" x 5.7" x 2.2", #G124, $34.99



Molded Plastic in high-impact ABS, fire-retardant - dark gray. These cases in molded plastic have a two-piece design with a tongue and groove joint between the top and bottom half. Non-scratch surface with a high-quality finish. Guide slots are provided for vertical PCB mounting and slots make horizontal PCB mounting possible. New.
3.5" x 2.0" x 0.9", #G403, $4.00
3.5" x 2.0" x 1.3", #G404, $3.40
4.7" x 2.4" x 1.2", #G407, $6.40
4.7" x 2.4" x 1.6", #G410, $7.00
5.9" x 3.1" x 1.8", #G416, $10.60
7.5" x 3.9" x 2.4", #G421, $13.80

This plastic utility box is molded in impact-resistant ABS and has card guides spaced at intervals of 7.9" to allow flexibility in the spacing of the components or the creation of compartments. Guides will accept cards with a max. thickness of 0.06". New.
3.7" x 1.9" x 1.5", #G1068, $3.40
5.3" x 3.0" x 2.0", #G1098, $3.40



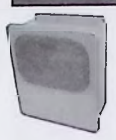
These enclosures consist of high-impact ABS (operating temperature : -4∞F to +212∞F). The lid and the base equipped with a tongue and groove sealing system with a neoprene gasket. The mounting holes and the attaching screws are outside the seals, which prevents moisture and dust from entering the enclosure. Internal guide slots allow the vertical mounting of PCB assemblies. The guides on the internal base allow the horizontal mounting of PCBs. New.
2.5" x 2.3" x 1.4", #G302, $5.20
4.5" x 2.6" x 1.6", #G304, $8.60
6.7" x 4.8" x 2.2", #G313, $13.80
10.4" x 7.3" x 4.0", #G378, $29.98

Aluminum Enclosure by Motorola with 13.5" W x 5.1" H front panel. Ventilation holes on bottom. Adjustable handle. Less back cover. Overall 10.3" D x 16.3" W x 6" H, 10 lbs sh. Excellent Condition, #TDMA-1000, $51.50

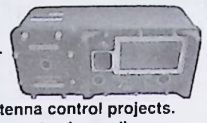
Equipment Glides

Military quality for rack mounting; 2"W x 16.5"L; chassis slides have 19" travel. Load rating approximately 100 lbs; 6 lbs sh.
#GL-1621, used, $18.00 per pair

Window Enclosure

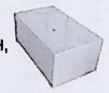


Weather Resistant Enclosure with Window, Great for your outdoor control / monitoring of solar cells, antenna controls, control center for your garden watering system. Cover is hinged & gasketed for weather resistance. O.D. 15.5" x 13.4" x 6.5"; I.D. 13.9 x 11.9 x 5.9; Window 9.4 x 6. The window allows you to monitor your circuit if you put readouts behind the window. Made of fiberglass reinforced polyester, Non-metallic. Color - machine gray. Long piano hinge, looks like stainless steel. Stahlin Industrial. 10 lbs sh. #23541412, Unused in box,$57.50

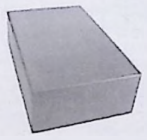


Aluminum Housing from C-10327 Control. Great for outdoor solar or antenna control projects. Has two compartments. Inner dimension of each compartment is 10"W x 6.1"H x 6.2"D and 2.7"W x 5.3"H x 5.5"D. Overall 17.5"W x 8.2"H x 9.1"D. Comes with original front plate for each compartment. 18 lbs sh.#ENC-10327,$25
As above but less front plates. #ENC-10327-LP, $23.00

Aluminum Enclosure and Frame from antenna coupler. Adapt as-is or rework. 7.5"Hx10"W x10"D plus removable 4.5"x2.5"x3"D front ant-insulator. Cutouts for 1.8‰ meter and two connectors. 8 lbs sh. #ENC-CU509, Used, $18.



Aluminum Bud Box Enclosure. 4" Lx2.75"Wx2"H, Unused, #CU-3015, $4.95



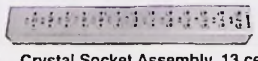
Plastic Enclosure with aluminum base plate from Mouser. 5 1/8" L x 3 1/8" W x 1 5/8" H, Unused, #ENC-518, $4.50

Plastic Bud Box Enclosure. 3 5/8" L x 2 1/4" W x 1 1/2" H, Unused, #PT-11308, $3.95

Clear Plastic Enclosure. Base fits octal tube socket. Inner dimension of case 2.8x1.5x1.5. 1 lb sh. #ENC-OCT, $2.50

Crystals

JK02 Ovens for CR-26 xtal. 6 - 24 VAC / DC; plug into octal socket. Less xtals; Used, #251B1001 for one xtal, $3.25
#251B1003 for two xtal, $3.75



1 Baker's Dozen Crystal Socket Assembly, 13 ceramic crystal sockets CR-23 style mounted on an aluminum strip. 9"L x 1.2"W x 0.9"H, 2 lbs sh. #CR-23-13, $8.75

CRYSTAL OVEN holds one 12.0MC CR-36 Crystal (included). Operate from 27.5 VDC and plug into octal socket. #NE-62, Used, $10.00

Insulators

INSULATOR POST for mounting capacitors, coils, etc. 1.7"Hx3/8" sq porcelain; 1/8" di thru-hole near top; base threaded for chassis screw. #IP-1706,$1.50

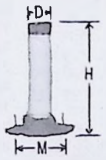
2"Hx1" square; two 6/32 threads top and bottom. #NL523W14, $3.00

MP-48A INSULATOR for WW-2 vehicular spring antenna base; 3.6"Lx2.6" dia,4 lb. #INS-48A, $21

COLLAR for MP-48A, fits bottom of base, #COLL-48A, $3.50

PORCELAIN STAND-OFFS, no bases but screw threaded:
#P-4H-75D 4"Hx 0.75" dia; 8-24 threader. $1.50 ea; 2 / $2.75
#P-7H-100D 6.8"Hx 1" dia; 10-24 threader. $2.50 ea;

Large porcelain thru panel Insulator. 9/16" diameter center hole. Has 6 threaded mounting holes on outer lip. Overall size is 5 1/4"Dia x 2 3/4"H. No Hardware. #INS-6, Used, $14



Stand-off insulators crows feet type. Brass plated bases and terminals: D= Diameter H=Height M=Mount base holes' center distance ST=Screw terminals CT=Clamp terminals
#B-H3-D1.25-ST3, brown ceramic; M=2.25". Term. cap: 7/8x1 5/8" dia; 2 lbs. $3.75
#W-H5-D1.25-ST, white; M=2.625". Term cap; 3/8x 1 1/4" dia. 3 lb $4.95
#W-H5-D1.25-CT, white; M= 2.25". Term cap: 1x1 5/8" dia. 3 lb $5.25
#B-H7-D1.25-ST, brown, M=2.6", Term cap 1x1 3/4" dia; 3 lbs. $6.50

Quanity Discounts on above!
10-25 ea (1-type) 20% off;
25% (26-99), 30% (100)

- - - *Strain Insulators* - - -

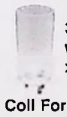
Brown porcelain insulator 8.5"Lx1.8"h x 1"D with reinforced 0.5"dia hole on ends; 3lbs. #SPI-85181, $2.75; 2/$4.25

Brown Egg-Type Porcelain Strain Insulator, 1.3"L x1"x1"with two 1/4"di holes. Unused, #INS-EGG, $2.50

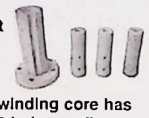
Brown porcelain strain insulator. 1.4" diameter X 2.4" Tall with two 3/8" diameter holes. #INS-BPS, $4.75; 2 for $8.00

Coil Forms

Small Ceramic Coil Form consists of 10 grooves in a 0.5" space. o/a 1.7"Hx1"dia #CF-1, $3.00



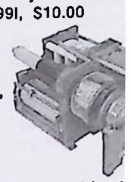
3 pin Plastic Coil Form which fits BC-611. o/a 0.9" dia. x 1.9"H, #CF-3, 2/$1.50



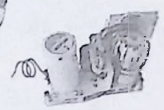
Coil Form Assortment has: porcelain Inductor core 1 7/8" tall 1 1/8" base has 4 mounting holes. The winding core has 41 grooves for wire 10 holes on flat edge. 3 small porcelain cores with 3 wire grooves. The base has a 6/32 threaded hole. #IND-K1, $4.00

Inductors & Coi

ROLLER INDUCTO ASSEMBLY with 11 VAC 400 Hz motor drive, 3.4" lg x 1.75 coil; 28 turns #18 approx 14 uH with center tap. Designed to resonate antenna to a transceiver's frequency. 4.5x2.8x3 lb used #T301/CU-99I, $10.00



ANTENNA LOAD ASSEMBLY from AM-3349/GRC-106 , Includes C26 1000pf at 5KV vacuum variable capacitor, C27 15-355pf air capacitor, 26 1000pf feed caps, L1 0.5 to 40UH variable indu L2 37UH fixed inductor, S1 2-deck position ceramic switch and two C or = 24 VDC motors. 5.5 x 9.5 x 5. lbs shipping. #3349-02, Used, $32



L5 ROLLER IND TOR, 26 turns silvered wire 2"Lx1.1" dia co 8.4 uH max. 11 400 Hz motor drive like above; ru 26V 60 hz. Adaptable to direct dri O/a 6x3x4.75, 3 lb #L5/ARC-58, $1

ROLLER INDUCTOR KITS includes 4.4"L x 1.5" dia cer coil with 40 turns #14 silvered-wir roller wheel, guide shaft & springs 3/8" dia shafts have removeable p gear. End support plates not sup 3lbs sh. #L22-PRC-47, 22 uH, $18
#L35-PRC47,35 uh w/ part slug co
#L40-PRC47,40 uH w/ full slug co

RF MASTER OSC COILS: pull out of T-22 / ARC-5 7-9 MHz xmitter; #T53/6032, $5.50

FERRITE CORE INDUCTOR PC mount; 7/8x 3/4" dia. #NV243, 177 mH, $2.50

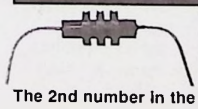
Small Inductor, 1.5 mH, 1 ADC, 5V, 12KHz, .5 ohm DCR, PC mount. #80063, $2.65; 3 / $7.

#C-447 coil for BC xmitter 4.5"L x 4.5 3 lbs sh. Unused,

400UHy RF choke axial lead, #L-RF400, $1.55; 5 for $6.50

TELEPHONE PICK UP COIL p/o modem coupler; no info. 5/8x1.8" dia. #403-4, $1.50

Inductors



The PI Wc Inductors below are enamel cc

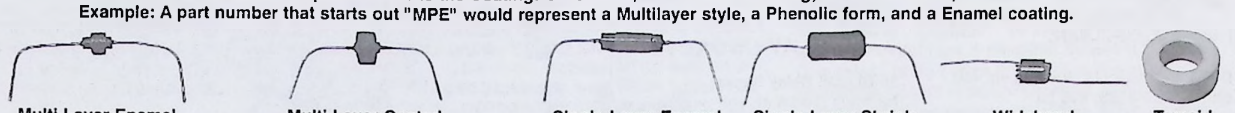
The 2nd number in the part numb designates the number of sectior

Part #	L x Dia	uHy	I - ma	Price
P3FE-1200	.90-.32	1200	50	$5.0
P3PE-500	.50-.30	500	50	$5.0
P2PE-675	.75-.45	675	200	$5.0
P3FS-5800	.90-.50	5800	200	$3.0
P3FE-12000	1.00-.42	12000	200	$5.0

EMAIL US YOUR INQUIRIES AT FAIRRADIO@FAIRRADIO.COM

Inductors

First letter in part number is the Style: M - Multilayer; S - Single layer; P - PI wound / number of sections;
Second letter in part number is the Material: P - Phenolic; F - Ferrite;
Third letter in part number is the Coating: C - Coated; S - Shrink covering; E - Enamel wire;
Example: A part number that starts out "MPE" would represent a Multilayer style, a Phenolic form, and a Enamel coating.



Multi Layer Enamel | Multi Layer Coated | Single Layer Enamel | Single Layer Shrink | Wideband | Torroid

MULTI LAYER ENAMEL

Part #	L x Dia	uHy	I - ma	Price	5 pcs	10 pcs	100 pcs
MPE-55	.40x.25	55	125	$2.00	$6.00	$10.00	$60.00
MPE-65	.30x.20	65	125	$2.00	$6.00	$10.00	$60.00
MPE-70	.30x.20	70	125	$2.00	$6.00	$10.00	$60.00
MFE-75	.30x.12	75	125	$2.00	$6.00	$10.00	$60.00
MPE-85	.30x.20	85	125	$2.00	$6.00	$10.00	$60.00
MPE-100	1.40x.40	100	2000	$2.00	$8.00	$14.00	
MPE-107	.30x.20	107	50	$2.00	$6.00	$10.00	$60.00
MFE-110	.30x.15	110	50	$2.00	$6.00	$10.00	$60.00
MFE-122	.38x.25	122	125	$2.00	$6.00	$10.00	
MPE-135	.40x.55	135	300	$2.00	$8.00	$14.00	$80.00
MFE-135	.30x.18	135	50	$2.00	$6.00	$10.00	$60.00
MPE-138	.30x.20	138	125	$2.00	$6.00	$10.00	
MFE-150	.30x.18	150	50	$2.00	$6.00	$10.00	$60.00
MFE-178	.30x.22	178	125	$2.00	$6.00	$10.00	$60.00
MFE-200	.30x.20	200	125	$2.00	$6.00	$10.00	$60.00
MPE-218	.30x.22	218	125	$2.00	$6.00	$10.00	$60.00
MFE-100-30-260	1.00x.30	260	500	$2.00	$8.00	$14.00	
MFE-30-25-260	.30x.25	260	50	$2.00	$6.00	$10.00	$60.00
MPE-266	.30x.30	266	50	$2.00	$6.00	$10.00	$60.00
MFE-300	.30x.25	300	50	$2.00	$6.00	$10.00	$60.00
MPE-340	.30x.30	340	100	$2.00	$6.00	$10.00	$60.00
MFE-360	.30x.20	360	100	$2.00	$6.00	$10.00	$60.00
MPE-362	.30x.27	362	100	$2.00	$6.00		
MFE-375	.30x.25	375	100	$2.00	$6.00	$10.00	$60.00
MPE-390	.30x.30	390	100	$2.00	$6.00	$10.00	$60.00
MFE-400	.75-.35	400	500	$3.00	$10.00	$15.00	
MFE-435	.30x.25	435	50	$2.00	$6.00	$10.00	$60.00
MPE-550	.30x.30	550	50	$2.00	$6.00	$10.00	$60.00
MFE-680	.30x.30	680	50	$2.00	$6.00	$10.00	
MPE-685	.30x.40	685	50	$2.00	$6.00	$10.00	$60.00
MFE-100-40-715	1.00x.40	715	500	$2.00	$8.00	$14.00	
MFE-30-12-715	.30x.12	715	30	$2.00	$6.00	$10.00	$60.00
MPE-785	.30x.32	785	50	$2.00	$6.00	$10.00	$60.00
MPE-820	.30x.40	820	50	$2.00	$6.00	$10.00	$60.00
MPE-1000	.30x.40	1000	50	$2.00	$6.00	$10.00	$60.00
MFE-1160	.40x.30	1160	50	$2.00	$6.00	$10.00	$60.00
MFE-3000	.30x.20	3000	30	$2.00	$6.00	$10.00	$60.00
MFE-4300	.40x.20	4300	50	$2.00	$6.00	$10.00	$60.00
MFE-6250	.30x.42	6250	75	$2.00	$6.00	$10.00	$60.00
MFE-7950	.40x.30	7950	30	$2.00	$6.00	$10.00	$60.00
MPE-11500	.50x.40	11500	30	$2.00	$6.00	$10.00	$60.00

MULTI LAYER COATING

Part #	L x Dia	uHy	I - ma	Price	5 pcs	10 pcs	100 pcs
MPC-90	.30-.28	90	30	$2.00	$5.00	$7.50	$50.00
MFC-95	.25-.12	95	30	$2.00	$5.00	$7.50	
MPC110	.30-.25	110	50	$2.00	$5.00	$7.50	$50.00
MFC-135	.30-.19	135	30	$2.00	$5.00	$7.50	$50.00
MPC-145	.30-.22	145	30	$2.00	$5.00	$7.50	$50.00
MFC-155	.30-.19	155	50	$2.00	$5.00	$7.50	$50.00
MPC-25-30-180	.25-.30	180	50	$2.00	$5.00	$7.50	$50.00
MPC-30-30-180	.30-.30	180	50	$2.00	$5.00	$7.50	$50.00
MFC-195	.30-.18	195	30	$2.00	$5.00	$7.50	$50.00
MPC-200	.30-.25	200	75	$2.00	$5.00	$7.50	$50.00
MFC-205	.30-.20	205	50	$2.00	$5.00	$7.50	$50.00
MPC-225	.30-.30	225	50	$2.00	$5.00	$7.50	$50.00
MFC-260	.30-.25	260	50	$2.00	$5.00	$7.50	$50.00
MFC-265	.30-.30	265	50	$2.00	$5.00	$7.50	
MPC-266	.30-.30	266	50	$2.00	$5.00	$7.50	$50.00
MPC-30-30-300	.30-.30	300	50	$2.00	$5.00	$7.50	$50.00
MPC-30-22-300	.30-.22	300	50	$2.00	$5.00	$7.50	$50.00
MPC-325	.30-.30	325	50	$2.00	$5.00	$7.50	$50.00
MFC-355	.30-.22	355	50	$2.00	$5.00	$7.50	$50.00
MFC-425	.50-.40	425	50	$2.00	$5.00	$7.50	$50.00
MPC-510	.30-.30	510	50	$2.00	$5.00	$7.50	$50.00
MFC-590	.30-.28	590	50	$2.00	$5.00	$7.50	$50.00
MFC-625	.30-.35	625	50	$2.00	$5.00	$7.50	
MPC-835	.30-.40	835	50	$2.00	$5.00	$7.50	$50.00
MPC-1200	.35-.32	1200	50	$2.00	$5.00	$7.50	$50.00
MPC-38-32-1400	.38-.32	1400	50	$2.00	$5.00	$7.50	
MPC-32-32-1400	.32-.32	1400	50	$2.00	$5.00	$7.50	$50.00
MPC-1530	.35-.32	1530	50	$2.00	$5.00	$7.50	
MPC-1650	.40-.35	1650	50	$2.00	$5.00	$7.50	$50.00
MPC-1660	.35-.30	1660	50	$2.00	$5.00	$7.50	$50.00
MFC-7900	.40-.28	7900	50	$2.00	$5.00	$7.50	$50.00
MFC-8450	.40-.48	8450	50	$2.00	$5.00	$7.50	
MFC-10300	.50-.40	10300	50	$2.00	$5.00	$7.50	$50.00
MFC-16900	.50-.40	16900	50	$2.00	$5.00	$7.50	
MFC-21000	.65-.41	21000	50	$2.00	$5.00	$7.50	$50.00
MFC-23000	.50-.50	23000	50	$2.00	$5.00	$7.50	$50.00
MFC-26000	.65-.45	26000	50	$2.00	$5.00	$7.50	$50.00

MULTI LAYER SHRINK

MFS-59	.70-.40	59	300	$3.00	$10.00	$15.00	
MFS-100	1.00-.40	100	800	$3.00	$10.00	$15.00	
MFS-110	1.25-.45	110	1200	$3.00	$10.00	$15.00	
MFS-115	1.50-.60	115	2000	$3.00	$10.00	$15.00	
MFS-170	.75-.40	170	800	$3.00	$10.00	$15.00	
MFS-182	.75-.50	180	125	$3.00	$10.00	$15.00	$100.00
MFS-520	.75-.40	520	300	$3.00	$10.00	$15.00	$100.00
MFS-750	.50-.22	750	200	$3.00	$10.00	$15.00	$100.00
MFS-1110	.75-.40	1110	300	$3.00	$10.00	$15.00	$100.00
MFS-1125	1.20-.30	1125	200	$3.00	$10.00	$15.00	$100.00
MFS-4300	.78-.70	4300	200	$3.00	$10.00	$15.00	
MFS-13000	.75-.50	13000	125	$3.00	$10.00	$15.00	$100.00
MFS-17500	.75-.50	17500	125	$3.00	$10.00	$15.00	
MFS-39200	.75-.45	39200	125	$3.00	$10.00	$15.00	

SINGLE LAYER ENAMEL

Part #	L x Dia	uHy	I - ma	Price	5 pcs	10 pcs	100 pcs
SFE-4	.65x.22	4	2000	$2.00	$8.00	$14.00	
SPE-4.5	.62x.20	4.5	800	$2.00	$5.00	$7.50	$50.00
SFE-33-10-5.5	.33x.10	5.5	200	$2.00	$5.00	$7.50	$50.00
SFE-20-23-5.5	.23x.10	5.5	200	$2.00	$5.00	$7.50	
SPE-30-14-5.5	.30x.14	5.5	200	$2.00	$5.00	$7.50	$50.00
SPE-50-17-5.5	.50x.17	5.5	300	$2.00	$5.00	$7.50	
SPE-62-20-5.5	.62x.20	5.5	300	$2.00	$5.00	$7.50	$50.00
SPE-30-10-6	.30x.10	6	200	$2.00	$5.00	$7.50	
SFE-75-22-6	.75x.22	6	800	$2.00	$5.00	$7.50	$50.00
SFE-78-30-6	.78x.30	6	500	$2.00	$5.00	$7.50	
SPE-25-10-6.5	.25x.10	6.5	200	$2.00	$5.00	$7.50	$50.00
SPE-30-15-6.5	.30x.15	6.5	200	$2.00	$5.00	$7.50	$50.00
SPE-62-18-6.5	.62x.18	6.5	300	$2.00	$5.00	$7.50	$50.00
SPE-25-12-7.5	.25x.12	7.5	200	$2.00	$5.00	$7.50	$50.00
SPE-75-20-7.5	.75x.20	7.5	300	$2.00	$5.00	$7.50	$50.00
SPE-10	.35x.11	10	200	$2.00	$5.00	$7.50	$50.00
SPE-42-10-11	.42x.10	11	200	$2.00	$5.00	$7.50	
SPE-50-13-11	.50x.13	11	200	$2.00	$5.00	$7.50	$50.00
SPE-11.5	.35x.15	11.5	200	$2.00	$5.00	$7.50	
SPE-41-12-12.5	.41x.12	12.5	200	$2.00	$5.00	$7.50	$50.00
SPE-30-10-12.5	.30x.10	12.5	30	$2.00	$5.00	$7.50	$50.00
SPE-18	.57x.20	18	200	$2.00	$5.00	$7.50	$50.00
SPE-50-17-23	.50x.17	23	80	$2.00	$5.00	$7.50	$50.00
SPE-75-19-23	.75x.19	23	200	$2.00	$5.00	$7.50	$50.00
SFE-25	.75x.21	25	200	$2.00	$5.00	$7.50	$50.00
SPE-27	.30x.10	27	30	$2.00	$5.00	$7.50	$50.00
SFE-34	1.00x.29	34	800	$2.00	$5.00	$7.50	
SFE-36	.88x.22	36	300	$2.00	$5.00	$7.50	
SPE-39	.75x.21	39	300	$2.00	$5.00	$7.50	$50.00
SPE-44	.75x.21	44	300	$2.00	$5.00	$7.50	
SPE-45	.50x.13	45	80	$2.00	$5.00	$7.50	
SPE-58	.50x.13	58	80	$2.00	$5.00	$7.50	$50.00
SPE-75	.50x.15	75	30	$2.00	$5.00	$7.50	$50.00
SPE-77	.50x.15	77	30	$2.00	$5.00	$7.50	
SFE-78	.75-.40	78	800	$3.00	$10.00	$15.00	
SPE-80	.75x.20	80	150	$2.00	$5.00	$7.50	$50.00
SFE-95	.85x.25	95	200	$2.00	$5.00	$7.50	
SFE-97	.50x.18	97	50	$2.00	$5.00	$7.50	$50.00
SFE-116	.73x.38	116	800	$2.00	$6.00	$10.00	
SPE-148	.40x.15	148	30	$2.00	$5.00	$7.50	$50.00
SFE-170	.50x.13	170	125	$2.00	$6.00	$10.00	
SPE-185	1.25x.35	185	200	$2.00	$5.00	$7.50	$50.00
SFE-188	.42x.11	188	30	$2.00	$5.00	$7.50	
SPE-188	.50x.13	188	30	$2.00	$5.00	$7.50	

SINGLE LAYER COATING

Part #	L x Dia	uHy	I - ma	Price	5 pcs	10 pcs	100 pcs
SPC-5.5	.25-.12	5.5	50	$2.00	$5.00	$7.50	$50.00
SFC-15	.32-.10	15	50	$2.00	$5.00	$7.50	$50.00
SFC-16	.30-.12	16	50	$2.00	$5.00	$7.50	$50.00
SPC-30	.50-.25	30	150	$2.00	$5.00	$7.50	$50.00
SFC-33	.30-.10	33	30	$2.00	$5.00	$7.50	$50.00
SFC-50	.25-.10	50	30	$2.00	$5.00	$7.50	$50.00
SFC-52	.25-.10	52	30	$2.00	$5.00	$7.50	$50.00
SPC-60	.38-.15	60	50	$2.00	$5.00	$7.50	$50.00
SPC-62	.30-.20	62	50	$2.00	$5.00	$7.50	$50.00
SPC-90	.25-.10	90	30	$2.00	$5.00	$7.50	$50.00

SINGLE LAYER SHRINK

Part #	L x Dia	uHy	I - ma	Price	5 pcs	10 pcs	100 pcs
SFS-7.5	.50-.20	7.5	500	$2.00	$5.00	$7.50	
SFS-42	.50-.20	42	200	$2.00	$5.00	$7.50	$50.00
SFS-77	.50-.20	77	300	$3.00	$10.00	$15.00	$100.00
SFS-118	.50-.20	118	300	$3.00	$10.00	$15.00	
SFS-430	.75-.22	430	200	$2.00	$5.00	$7.50	$50.00
SFS-737	.75-.40	737	300	$2.00	$5.00	$7.50	$50.00

WIDE BAND CHOKES

Part #	L x Dia	Turns	Z@50MHz	Z@100MHz	Price	5 pcs	10 pcs	100 pcs
FB1113	.43x.26	2.5	850	725	$2.00	$3.00	$5.00	$30.00
FB1114	.43x.26	3	1,000	750	$2.00	$3.00	$5.00	$30.00
FB1115	.43x.42	4.5	Not Rated	670	$2.00	$3.00	$5.00	$30.00

TORROID STYLE

Part #	L x Dia	uHy	I - ma	Price	5 pcs	10 pcs
TOR-33	.70-.35-.25	33	800	$1.00	$4.50	$7.50
TOR-48	.55-.30-.18	48	800	$1.00	$4.50	$7.50
TOR-59	.55-.30-.18	59	800	$1.00	$4.50	$7.50
TOR-65	.55-.30-.18	65	800	$1.00	$4.50	$7.50
TOR-76	.60-.38-.15	76-76	1200	$1.00	$4.50	$7.50
TOR-1800	.65-.35-.20	1800	300	$1.00	$4.50	$7.50

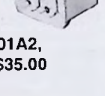
Standard Relays

OPEN FRAME RELAYS with heavy 10 amp silver contacts; ml-calex insulated. 1.8x2.4x1.8, 1 lb sh. USED-CLEAN:

DPST NO, coil 115 VAC 60 Hz 400 ohms, #22-4383, $19.00

DPDT, coil 6.3vac1 ohm, #22-4384, $21

- -



SPDT 9.6-15.8 VDC relay 206 ohm coil; used in GE mobile transceivers. For solder or socket connections. 1x1x3/4. #3SBW1001A2, Unused, $2.00 each. 24/$35.00

OMRON 3PDT RELAY, 24 V DC 650 ohm coil; 2 A contacts. 11-pin plug-in/solder lugs. 1x1.5x0.8; #OM-MY3, $4

P&B 3PST 120 VAC coil, 10 amp 1/4 HP contacts; clear cover. #KU-4666, $4.75

DUAL DC COIL each 3PST; one 24 V, other 48 V. PC-mt. 2.8x1.5x1.3; #116-2601, $3.50

115 VAC 60 Hz COIL 25 amp @ 28 VDC/ 115 VAC contacts; solder terminals. 1.8x 3x1.8; #26S20/2054, Used, $5.50

Open frame relay 24VDC 230 ohm coil. 3PST N.O. 10 amps 120VAC / 5 amps 240VAC. SPST N.O. 1 amp 24VDC #DOUX-2055, $5.50

DOLLAR DAZE RELAY KIT, five mixed relays various voltages AC/DC. #DD-56-98, $3.00

SENSITIVE RELAY SPDT 6 to 12 VDC 1500 ohms, contact adjust. 2.8x2.2 x2.3, 1 lb sh. #RM39/1901, used $2.50

Sealed SENSITIVE RELAY, 50 ohms 28 ma coil; DPDT contacts. Solder hooks; 1x1x2 1/4. #R400-2B-50, $4.50

ULTRA-SENSITIVE P&B 6 VDC DPDT RELAY, coil 500 ohm res. < 40 mv nom. power. Contacts rated 2 amp @ 28 VDC/120VAC; solder or socket mount. #R10-E1Y2SS500, Unused, $5.00

LEDEX 28 VDC SOLENOID, 8-position 45 deg stroke. Start torque: 5 lb-in 35 W (15 lb-in holding) cont. duty; 32 lb-in 700 W 1/20 duty. 7S-size 2.8" dia x1.9" W; 1/2x3/8" dia shaft. 4 lbs. #S-8210-025, Unused, $6.65

ITT General Controls Sub-miniature Direct Acting Solenoid Valve. Coil 24 VDC, 10 PSI, 1/8 in port. For use with air, gas, water, hydraulic fluids, light fuel oils. Looks like 5/16 fitting. 2" long x 1" diameter. 1 lb sh. #S32121012, Unused, $14.00

K-601 Break-In Relay for R-390A. #K-601, $10.00

- - - RELAY SOCKETS - - -

10-BLADE Relay Socket for track mount of above; pressure screw terminals; 2.8x1.4x2., Weldmuller mfg. 1 lb. #SKT-10, Unused, $3.50

- - - -REED RELAYS - - - -

4-REED RELAY CIRCUIT BOARD, 3 / 500 ohm & one 5K ohm 10-15 VDC relays; also a 26 VDC DPDT sealed relay. #792-312, $4.00

ELECTROL 5 VDC REED RELAY, low current SPST norm-open contacts; 0.7"x2.5"x0.6". #R4376-2, NEW, $3.25

- - - SOLID STATE RELAYS - - -

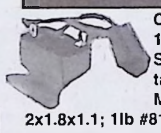
90 Second Solid State Time Delay Relay by SSAC, 24VAC 0.5A, #TAC42190, Unused,$14

Solid State Relay by Gordos. 3-32VDC input, 240VAC at 10 amps. 2.2x1.8 x1, #G280D10V, Used, $12.00

Vacuum Relays

SPDT 335 ohm; 3.6 KV pk 18 A AC/DC. Max-open /release:6 ms. 1.3"Hx0.8" dia, used less hardware, #HC-1/S122, $67.00

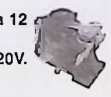
Contactors



CONTACTOR RELAY, 12 VDC coil & 12 V SPST norm-open contacts; 20 amps. Mfg by Massy Ferguseon. 2x1.8x1.1; 1lb #81-2450-1,$3.50.; 10/$23

SIEMANS CONTACTORS, 80 VDC coils, 2 lbs. NEW: 2 NO+2NC; contacts 230/600 V 3/1 amps. Aux contact 10A 240 VAC; 2.8x1.8x1.8. #3TH12022 $9.00

8PST CONTACTOR, rated 660 VAC 6 amps; coil 80 VDC. 3x4.5x1.8, 2#. Schindler #MRG-44E, New, $19.00

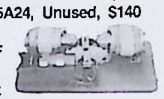


Deltrol Contactor / Relay is a 12 volt coil with spst contacts rated at 30 Amp or 1 HP @120V. 1701X7519, Unused, $3.50

Transco SPDT RF relay 82152-11300-75, 28 VDC coil. Connectors are similiar to type N, but are 75 ohm. The connectors will not mate with type N. Two operation coils, one is marked "energize to close" and the other is marked "energize to open". 1 lb sh. #11300-75, Used excellent, $45

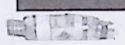
Vacuum Contactors

JENNINGS SPST VACUUM CONTACTOR for 3-1/8" (78 mm) dia hardline coaxial hook-up; rated 25 KW @ 30 MHz; 20 KV peak test; actuator 19-29 VDC. 4x8x3.8, 7 lbs. #RC10A5225A24, Unused, $140



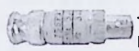
JENNINGS SPDT RF CONTACTOR for high power transmit and process equipment. 26.5 VDC actuator switch rated 300 amps @ 2.5 KV peak; pk test 10 KV 60 Hz. Sealed enclosure w/ mount flange; connector not available. 5x 5.3 x9.5, 22 lbs sh. #RF20BLDE8I2I-I, $200.00

Attenuators



ELCOM ATTENUATOR, 10DB w/ SMA conn; Ag-plated, 1.5x0.5" dia. #AT-53-10, $14

VARIABLE 6-STEP ATTENUATOR, ladder network in 10:1 ratio. Attenuates 0.1 V down to 0.1 uv; 50 ohm impedance. BNC input & output connection; shaft 3/4"Lx 1/4" dia with gear drive. Silver-plated; p/o 0.01 to 50 MHz RF generator. 3.5x4.8x3.5, 4 lb #AT101/URM25, Used, $26.00



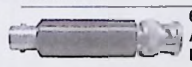
75 ohm Alan Industries Fixed Attenuator, 3.0DB at 30MHz and 3.3DB at 1GHz. Has a BNC male on one end and a BNC female on the other. #75SP3, $16.50

ROTARY TURRET 50 OHM COAXIAL ATTENUATORS from Empire NF-105 field intensity meter; to operate pull knob and rotate to next index. Mechanism is spring loaded to engage next attenuator element; 5"Lx3.4" dia, 5 lbs.

0-20-40-60-80 db with BNC female chassis connectors on 7.5" cables. #ATTNF105-0-80, Used, $33.00

40-50-60-70-80-90 db; female BNC chassis & male N conn on 7.5" cable, #ATTNF105-40-90, $27.00

One of each attenuator, #ATTNF-105-PR, $53.00



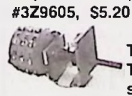
600 ohm Attenuator by Mini-Circuits. DC to 500MHz. Male BNC on one end to a female BNC on the other. #CAT-600, $5.

Fixed Mini-Type Attenuator, 6 dB, Type "F" connector Female to Male, Impedance: 75 ohm, #33-795, Unused, $3.

Tap Switches

Miniature Tap Switch, 1 pole 7-position rated 1 amp 1x1/2". #MTS-7, $3.00

6-POSITION CERAMIC RF TAP SWITCH for 100 W xmitter; 2.3x2.3x1.8, 1 lb. #3Z9605, $5.20; 10 for $43.



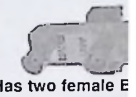
THREE DECK 7-POSITION TAP SWITCH w/ screw terminals; 10 amp shorting contacts. 1.8x2.x3.1 + 1.3" x 0.3" dia shaft. #ES32303LM, $5.25

Coaxial Device

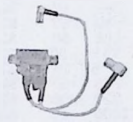
SPDT Microwave Switch designed high performanc microwave syste to 12.4 GHz. Has three TNC connections. Requires 30VDC. 3x2.70.9, Jay-El Products. #D2-313B008, used, $53.00

Transco SPDT Coax Relay, 50 ohms, Frequency: DC - 18GHz, Power: 28 Volt DC, Three SMA females. #82152-810C30100, Good ditlon, $44.00

RE-275 APDT Coa Relay, operates o 100-400 MHz, 24-28VDC coil. VSW better than 1.1; cr talk better than 60DB. Three BNC nections. 2.5x 3.2x1.7, 2 lbs sh. #RE-275, Used, $35.00



6VDC SPDT Coax Relay by Danbury-Knudsen. For use with transmitter. Has two female E connections and one solder conne tion. #CR119, Unused, $34.00

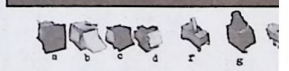


Miniature coaxial S can relay for low le RF switching. Also SPDT contacts. 26 vdc 675 ohms. HI-C talia #RFK 6396, $14

Same as above, but relay is in met box with 6 very small coax connec (SML ??) #RE-612-2, $16.50

Broadband Coaxial Protector by Polyphaser, has male to female type N connections. Frequency coverage is 50MHz to 700MHz. Maximum Power: VHF 37 UHF 125W. 1.8x2.5x1.5, #IS-50NX Used Excellent, $35.00 ea.; 5/$120

Mini Switches



Black= Blk. White= wh. NEW:

SPDT on-off-on, wh. toggle (b); #MLD106E, $1.25

SPDT on-on, blk. rocker (c) JBT #MR2-123, $1.25

SPST black rocker (not mini) Ca mfg. #123, $1.25

SPDT mom push switch; C-NC-I C&K mfg. #8125, 2/$1.75

DP3T one side mom. (f) toggle; #CST-023TA, 2/$1.75

DPDT on-on slide (h), #MINI-SL,5/

SUB-MINI SLIDE SWITCH, SP 3-p #SLS-131PC, 3/$1.25

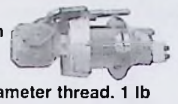
+ + + + + + + + + + + + +

Mini-Toggles, 120 VAC 6 A:
SPDT ON-ON, Used, #MINI-1,
SPDT On-Off-On, Used, #MINI-2,
DPDT On-Off-On, Unused,#MINI-3

PLACE YOUR ORDER OVER THE WEB AT FAIRRADIO.COM

Misc. Switches

MICROSWITCH KIT, five SPST VARIOUS style. #MSW-KIT, $1.75

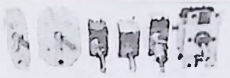


DPDT Two Position On-On Key Switch by Alco. Panel mount with 3/4" diameter thread. 1 lb sh. #AEL-01, Unused,$11.00

ROCKER SWITCHES, 1.6"Wx0.6"Hx 1.3"D; mt flange 1.9"W
#0319, SPST, 2 for $1.25
#0320, SPDT momentary both sides, 2 for $1.75

4PDT one side 2PDT other side, both sides mom. #1155, Unused, $3.00

Toggle Switches



Some single hole mount, some with mount plates; CH = Cutler Hammer, Unused unless otherwise noted:

AIRCRAFT-type Toggle, two hole mt:
DPDT 20A/125V, CH, #8710K3, $4.00
DPDT 20A/125V, CH, Radium tip on-on momentary, #3023-10B,$3.50
DPDT 20A/125V, CH, on-off-on, #8700K3, $4.75

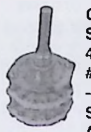
INDUSTRIAL-type TOGGLES:
SPST 6A/125V, mfg CH, on-off, momentary, #ST42B, $2.00
SPST 6A/125V, mfg CH, on-off, #ST42D, $2.00
SPDT 6A/125V, mfg CH,on-off-on momentary both directions, #ST42G, $2.50
DPDT 10A/125V, CH, on-on momentary, #ST-52R, Used, $1.25
DPDT 6A/125V AH&H, on-on; 1" mt barrel, 1/2" dia. white ball cap, #T-WB-87, $3.00
DPDT 10A/125V, mfg CH,#ST-52N, $3.00
3PDT 15A/125V, CH, #7614K2, $3.50
DPDT 6A/125V, CH, Bat Handle, #TG-B-CH, $2.75
3PDT 15A/125V, CH,#TG-3PDT-2,$4.00
3PDT 16A/125V, A-H&H, on-off-on, #TG-AHH, $5.25
DPDT 15A/125V, CH, Bat Handle, #TG-B-DPDT, $3.50

DPDT Standard Size Toggle Switch by Arrow Hart. 6 amps 125V / 3 amps 230V. Solder terminals. 0.75 X 1.25 X 1 (TOGGLE HANDLE AND MOUNTING THREADS ADD 1.25 INCH). Includes knurled nut and hex nut. #81027CE, Unused, $3.50; 10 for $25.00

Switch Plate by Arrow Hart 3 Gang Toggle for lighting switches. Superior non-corrosive and nonmagnetic properties for applications needing protection from those elements. Stainless steel alloy. Horizontally satin-brushed surface finish resists finger prints. Matching stainless steel mounting screws provided. #93973, Unused, $4.99 each

Rotary Switches

One Pole 10 position Rotary Switch. Phenolic. 1.3" overall diameter. 1/4" diameter shaft. #R16FDR, Unused, $5.00



8 Poles 4 position 2 deck Ceramic Rotary Switch. 1.4" overall diameter. Short before make. Requires 1/4" diameter shaft. #ROT-842, $5

1 Pole 5 position Ceramic Rotary Switch. 1.2" overall diameter. Requires 1/4" dia shaft. #ROT-15, $3.50

4 Pole 3 Position Phenolic Rotary Switch by Mallory. 1.3" overall diameter. Requires 1/4" diameter shaft. #3243J, Unused, $3.50

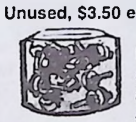
DAVEN-TYPE 18-POSITION, continuous turn; 2" dia. Zinc-silver contacts. 1/2x1/4" diameter shaft.#3Z9825-92.2, $4.

FIVE-DECK ROTARY, each 2-pole 4-position; bakelite. 4x1.6" dia.; shaft 1/2x1/4" dia #SW-RM39, Used, $1.75

MINI-ROTARY, 1-pole 3-pos. shorting. 1" dia; 1/8" dia shaft. No hardware #LED-M13-S, unused, $2.10

TECH-LAB precision, 4 pole 7-position w/ gold-plated contacts; 2- poles 5 amp & two 3 A. Shft 1"Lx1/4" dia; o/a 2.3x2.3 x2.5, 1 lb. #TL-4P7PS, Used, $7.00

3PDT one pole is single throw only, Ceramic Rotary Switch. 2" overall diameter. Requires 1/4" dia shaft. 125V 3Amp SPST switch on back. 1 lbs sh. #SW-249, Unused, $3.50 each



ROTARY SWITCH KIT, six types: multideck and contacts, #RS-KIT, $3.00

Push Button

#67137-506, 13-button Push-on/Push-off; 8.8" W. $10.00

KLIXON 15 AMP PUSH BUTTON w/2.3" W mount flange; fits 1.4"x0.8"x 1.4"D hole. #43A8304, unused, $2.10

MICROSWITCH ALM-20 push-On/ push-Off SPDT switch w/red 5V LED; 0.9" sq x 2"D. #ALM-20-5V, $3.50

Code Switch BCD 0-9 bidirectional push switch. Manufactured by Alco/Augat Mico. Ten Sections (as pictured), #131-AL-2-10, $40
One section, #131-AL-2, Unused, $5.50; 10 for $40.00

Fuse & Fuseholders

Large Industrial Syle Fuse by Gould - Shawmut Amp-trap Form 600, 175 amp 600 Volt AC-DC. 9.5"Lx1.5"dia. #600-175A, Used, $7.00

GE Type EJO-1, Model 9F60FJD100, Size D, 12" clip spacing, 100E Amp, 4800 V, 15.9"L x 3"dia, 10 lbs sh. #EJO-1, Unused, $150.00

Standard 3AG 6.35x32mm 250VAC Fast Acting Fuses. New. Part #6FF(Amps)
The following are 5 / $2.50; 10 / $3.95
Amps: 0.1, and 0.25
The following are 5 / $1.29; 10 / $1.95
Amps: 0.5, 1, 2, 3.15, 4, 5,
6.3 Amps, #6FF6.3, 5 / $1.50; 10 / $2.50
8 Amps, #6FF8, 5 / $1.80; 10 / $2.99

Same as above except Slow Blow. New. Part #6FU(Amps).
The following are 5 / $3.00; 10 / $4.80
Amps: 0.25, 0.5, 1, 2, 3.15, 4, 5, 6.3, 8, 12

5x20mm 250VAC Fast Acting Fuses. New. Part #FF(Amps).
The following are 5 / $1.19; 10 / $1.99.
Amps: 0.5, 1, 1.6, 2, 2.5, 3, 4, and 5
The following are 5 / $1.55; 10 / $2.70
Amps: 0.1, and 0.2

100 piece Fuse Set 5x20mm 250VAC Fast Acting. Consists of 10 of each of the following amps: 0.1, 0.2, 0.5, 1, 1.6, 2, 2.5, 3, 4, and 5. #K/FF, $17.90

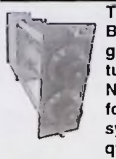
R-390A Fuses, New,
0.1 amp (good replacement for 1/8 amp), #6FF0.1N, 5 / 2.50, 10/ $3.95
0.25 amp, #6FF0.25N, 5 / 2.50, 10 / $3.95
3.15 amp (good replacement for 1/8 amp), #6FF3.15N, 10 for $1.95

LIGHT INDICATOR FUSEHOLDERS for 3AG fuses; 1.6"D behind panel. O/a 2.9"L; used: 115 V, clear, #FU-HKL, $3.50

3AG size Fuse Holder by Little Fuse. 23-32V. #FHL-18G2-2, $2.00

5AG / AGU In-line Fuseholder, #FH-5AG, Used, $3.00

Bandpass Filters



TUNABLE TWIN-CAVITY BAND-PASS FILTERS, gold-plated cavities have tune knobs, dials, and rear N-connections. Designed for military TRC-24 radio system for specific frequency ranges; usable and/or adapt for civilian purposes. 7x2.5 x9.5, 8 lbs. Used, $29.95 each.

#F-196, 184-205MHz #F-199, 224-254MHz
#F-200, 254-284MHz #F-203, 344-374MHz

#F-197, 205-225 MHz, unused, $39.95
#F-204, 374-404MHz,unused,$27; 2 / $40

Bandpass Filter 2.0 - 3.15 MHz. 3X0.75, #A-251-A, Unused, $7

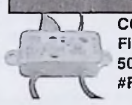
Suppressor

MX-10237 / MX-2096 Suppressor Electrical Transient for the VRC-12 Radio Set. This circuit protector consists of a standard size 4 pin GRC male connector with a threaded center, indicator light, 2 hole mount bracket, heatsink, and plate which is marked "Danger High Temp 215 degree F". FSN #5915-01-024-3877. It connects directly to either the transceiver or AUX receiver mount. In some applications it replaces the MX-7778 suppressor. No further data. 3 lbs sh. #MX-2096, Unused, $20.00

MX-7777A SUPPRESSOR protects vehicle radios VRC-12, VRC-53/64 & GRC-106 from damage by voltage transients. Input 28 VDC; output < 36 VDC. Has 50 amp circuit breakers for Overload & Short; diode overheat protection & manual (BATTLE) override. 9.9x6.2x5, 7 lbs sh. #MX-7777A, Used, $29.95

PLUGS (2) for MX7777; #29935-2P, used, $25.00 ea

Line Filters



CORCOM EMI 1 AMP Line Filter. 120/250VAC 50/60Hz. 2.3x0.8x0.6, #F-7099, Used, $1.60

CORCOM EMI 3 AMP filter with solder connections. 115/VAC 50/60Hz. 2.7x1.7 x1.2, used, #3W1A $2.25

3 Amp 120/250 Volts Line Filter by Corcom. 4 solder terminals. #F2133, Unused, $3.50

4 Amps 35VDC Line Filter by Filtron. Two terminals. 3x1, 1 lbs sh. #FA-5349, Unused, $1.75

5 Amps 120/250 Volts Line Filter by Corcom. R Series with 1/4 quick connect terminals. #5VR1, Unused,$4.50

3 x 10 Amps 28VDC Line Filter by Filtron. Six terminals. 4x3.1x1.7, 3 lbs sh. #FA-380, Unused, $3.50

10 Amps 250 VAC Line Filter by Cornell Dubilier. #APF1021S, Unused, $6.95

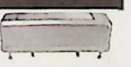
10 Amps 120/250 Volts Line Filter by Corcom. Four solder terminals. Used, #10EDK1, $4.50

10 Amps 100 VDC Line Filter by Sprague. Two threaded terminals. #JX51K, $5.95

TOKIN 250 VAC 15 amps 50/50 Hz with spade terminals; 2.6"Lx1.8" dia, 1 lb. #VG-215F, Unused, $4.00

55 Amps 30VDC Line Filter by Cornell Dubilier. 2 terminals. #FL-19, Unused, $7.95

250KHz Mech. Filter



250KHz Mechanical Filter from Collins F250A85. 8.5 KHz Bandwidth. #526-9049-009, Unused in the original box, $25.95

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

Coax Connectors

TYPE UHF:

#PL-259 UHF Male, Generic, $1.25 each 10 /$11.00

#83-1SP, As above but Amphenol, $5.38ea; 10/$48

#SLV-SO-239 UHF Female Silver Plated. Made by Amphenol, New, $3.95

#PNL-SO-239 UHF Female Silver Plated. SO-239 mounted on a panel, Used, $1.60

#SH-SO239 1 hole mount female barrel mount, $1.

#PL-258 UHF Female to Female, $2.25 ea 10 /$19.
#M-358 "T" for two PL259 & one SO239, used, $1.95
#83-185-RFX, UG-175 reduces PL-259 to RG-58 coax, $0.60 each; 10/$5.50
#83-168-RFX, UG-176 reduces PL-259 to RG-59 coax, $0.60 each; 10/$5.50

Silver Plated Old style Twin-Ax "T" Adapter. 2 female & 1 male. #UG-196, Unused, $5.75

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CONNECTORS & ADAPTERS: (m) male, (f) female, (bulk) bulkhead, (rec) receptable, (r/a) right angle; (U) = Used, (Un) = Unused.

ADAPTERS #UG-273 BNC (f) to UHF (m), UN, $3
N (m) to UHF (f) right angle. #N-UHF, Unused, $4.50

TYPE BNC: UG-88m (RG-58) Used, $1.25 ea
BNC (m) (RG-58) Amphenol, New, #31-2-RFX,$2.80;5/$12.70
UG-260 m (RG-59) U $1.25 UG-290 f panel U $1.50
-274 "T" 2-f to m, U $5.25 -909 bulk U $1.50
-282 to post $2.25 -306 R/A adapter, used, $2.50

BNC "T". Useful around the shop. Nickel plated. #UG-274, Used, $4.00

TYPE N: UG-21 male (RG-8), Used, $4.00
Type N male (RG-8) Amphenol, New, #82-202-RFX, $6.35; 5 / $28.95
UG-58 f chassis Un $5. UG-27 R/A m-f UN $4.50
-536 m (RG-58) U $3.00
-593 f bulkhead for R-59-62, used $2.25
-1052 f bulkhead for RG-58, used, $2.25
"N" (f) by Gremar. Accepts 1/4" dia. cable. #15536, $5

TYPE C: UG-643 "C" female-female, $3.50
UG-573 Type "C" Male Unbalanced Silver Plated Connectorf/ R-390A. #UG-573, Unused cut-off,$7.50

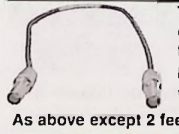
TYPE HN:
UG-920 m-f R/A, $8.00

R-390A Connectors:
Twin-Ax male, Amphenol, New, #82-5589-RFX, $11.50; 3 / $30.00
Mini-BNC p/o R-390A, #390A-MBNC, used, $3.50
As above but chassis, #390A-MBNC-CH, used,$3.50

Hard to find R-390A balanced input adapter. Goes from Twin-ax male to a UHF female. Unused, #UG-970, $46.

Hard to find R-390A balanced input adapter. Goes from Twin-ax male to a type C female. #UG-971, Unused, $39

Trompeter



Trompeter Cable, 10 inch patch cord with two gold plated trompeter PL150-29 mini patch plugs. Used good condition, #TRMP-1, $17.00

As above except 2 feet long. #TRMP-2, $19.00

Cable Ties

1000 piece CABLE TIES IN PLASTIC CAN.
0.1 x 3.9": 100 pcs blue, 100 pcs red, 100 pcs white, 100 pcs yellow
0.14 x 5.9": 100 pcs white, 100 pcs blue, 100 pcs green
0.14 x 7.9": 200 pcs white
0.14 x 11.8": 100 pcs white
Material: polyamide (nylon 6.6) as specified in MIL-S-23190 self-extinguishing. Temperature: -40F to +230F. #K/TF1000, New, $17.99

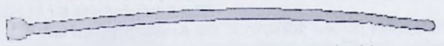
As above but 300 piece kit.
0.1 x 3.9": 25 pcs green, 25 pcs yellow, 25 pcs black, 25 pcs red, 50 pcs transparent
0.14x7.9": 50 pcs red, 50 pcs blue, 50 pcs transparent. #K/TF300, New, $6.00

100 pieces of Nylon Black Cable Ties, 4" x 0.1", -40F to 230F, #K/TFB3, New, $1.00

As above except, 5.5" x 0.14", #K/TFB4, New, $1.78

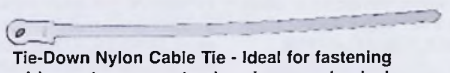
As above except, 8" x 0.14", #K/TFB5, New, $2.78

As above except, 11.4" x 0.14", #K/TFB6, New, $7.90



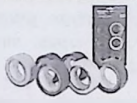
All nylon ties listed below are common locking type and are standard 0.12"width.
#CT-5.5, Black 5.5" overall length,50/$4.60;100/$7.50
#CT-5, Natural 5" overall length, 50/$4.60;100/$7.50

As above except 0.06" width. Bundle dia. is 5/8".
#CT-4, Black 4" overall length. 50/$3.50; 100/$6.00
#CT-4.5, Natural 4.5" overall length. 50/$3.50;100/$6



Tie-Down Nylon Cable Tie - Ideal for fastening wiring or harnesses to chassis or mechanical assemblies. Accepts #10 screw. Maximum bundle diameter of 1 1/4". Overall length of 6". Standard 0.19" width.
#TCT-6B, Black color, 50/$6.35; 100/$9.25
#TCT-6N, Natural color, 50/$6.35; 100/$9.25

Electrical Tape



Set of 6 rolls of electrical tape in different colors: yellow, white, green, black, blue, & red. Ideal for color code wiring your audio systems, computers, etc... 3/4" wide. Length is 16.4 feet per roll. #T5S, New, $2.20

AC Line Cords

3-COND LINE CORDS:
10 ft flat w/ R-A plug; #14 wire. #14-10FT, $3.50

BUSINESS MACHINE CORD,
3-blade type w/ AC plug; 6' black, 18 AWG. #HP-NS, $3.00

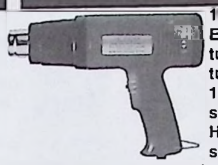
16 AWG 3-blade line cord; no AC plug. #16-HP-NP, $3.00

HEATER CORD type HSJ, 3-cond 7.5' #16 wire; grey molded R/A plug. #HSJ-16, $3.00

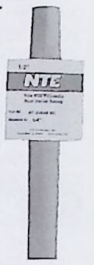
Trompeter Panel

Trompeter JS64S/J8 Non-Insulated Rackmount Panel with J8 TPS Patch Jacks. 7 lbs sh. 2.4x19x1.8, #JS64S/J8, Used, $49.50

Heat Gun & Shrink

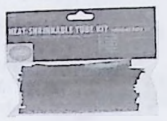


1200 watt NTE Heat Gun, Electronic variable temperature control dial with temperatures ranging from 250F - 1100F / 120C - 590C. Two speed motor. Heat guard. High quality heat element and solid state construction. Also strips paint and varnish. Thawing and drying. Shrinking and softening. #HG-001VT, New, $45.99



4 Foot NTE Heat Shrink Tubing. Shrink Temperature: 120C. Shrink Ratio - 2:1. Example - 1/16" shrinks to 1/32". Comes in four colors: Black - "BK"; Clear - "CL"; Blue - "BU"; Red - "R". New.

1/16", #47-20148-(Specify Color), $1.05
1/8", #47-20348-(Specify Color), $1.09
1/4", #47-20548-(Specify Color), $1.49
3/8", #47-20748-(Specify Color), $1.74
1/2", #47-20848-(Specify Color), $2.20
3/4", #47-20948-(Specify Color), $2.89
1", #47-21048-(Specify Color), $3.89



HEAT-SHRINKABLE TUBE KIT - 40pcs- BLACK, Contains: 0.04x 120mm 4.7": 10 pcs; 0.08 x 120mm: 10 pcs; 0.16 x 120mm: 5 pcs; 0.24 x 120mm: 5 pcs; 0.35 x 120mm: 5 pcs; 0.47 x 120mm: 5 pcs. Halogen and dioxine free, flame retardant. Shrinking temperature: 90∞C; max. temperature: 120∞C. 2:1 Shrinking ratio. Dielectric strength: 15kV/mm. New, #K/STB, $4.20

1/16" black Polyolefin. 90Θ C shrink temp. Made by Sumitomo. #11438-(specify feet).
10ft $2.00; 25ft $4; 50ft $7; 100ft $12

3/8" Dia. Alpha Irradiated PVC Heat Shrink Tubing, For wire harness jacketing and covering handles, capacitors, and terminals. Rated 105 degree C. 2:1 shrinkage ratio at 175 degree C. 3/8" diameter. #FIT-105-3/8, Unused, 10 ft for $3.00; 25 ft for $6.00

NTE Hook-up Wire

Stranded Hook-up Wire by NTE on the reel. Rated 300V minus 90 degree Celsius. Comes in the following colors: Red "R", Black "BK", White "W", Blue "BU", Yellow "Y". New.

Gauge	Length	Part Number	Price
18	25ft	WH18-(specify color)-25	$5.57
20	25ft	WH20-(specify color)-25	$4.40
22	25ft	WH22-(specify color)-25	$3.54
24	25ft	WH24-(specify color)-25	$3.06
26	25ft	WH26-(specify color)-25	$2.51
18	100ft	WH18-(specify color)-100	$15.81
20	100ft	WH20-(specify color)-100	$11.97
22	100ft	WH22-(specify color)-100	$9.10
24	100ft	WH24-(specify color)-100	$7.23
26	100ft	WH26-(specify color)-100	$6.56

TEFLON Hook-up Wire by NTE on the reel.
Rated minus 200 degree Celsius. Comes in the following colors: Red "R", Black "BK", New.

Gauge	Length	Part Number	Price
18	25ft	WT18-(specify color)-25	$22.34
22	25ft	WT22-(specify color)-25	$13.36

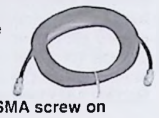
SURPLUS HOOK-UP WIRE
Vinyl-covered hook-up wire, all stranded copper; no color choice. May not have continuous lengths over 1000 ft. Allow 2 lbs sh weight per 100 feet

Part#	Gauge	Price
HUW-20,	20	$24.95/500 ft
HUW-20-SH,	20 shielded	$5.65/100 ft $32./1000 ft
HUW-22,	22	$21.95/500 ft
HUW-24,	24	$18.40/500 ft
HUW-26,	26 SOLID	$8/500' $12.50/1000'

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

Coax Cables

COAX CABLES with connectors from military equipment. USED/UNUSED:
#BNC-7, 7" BNC male each end RG-58 cable. $2.50
#BNC-9, 9" BNC male each end RG-58 cable. $2.75
#CG-409-5, 5ft RG-58 w/ male BNC each end, $4.50
#CG-409-8, 8ft RG-58 w/ male BNC each end, $5.50
#CG-409-25, 25ft RG-58 w/ male BNC each end, $9
#CG-789, BNC male to BNC Female 30" RG-59, $3.50
#CG-530-4, Cable, 4 ft RG-62 w/ two BNC, $4.50
#8155820, 8ft RG-59 w/ male BNC each end, $5.50
#N8-BNC, 8" like RG-58 w/ male N to female BNC,$4
#WK1763, N male to SMA male on 12" RG-58. $6
#RG-213-1, 16" RG-213 coax w/ R/A N conn. $7.00
#RG-213-3, 3' RG-213 w/ R/A "N" male each end $8
#CG-3444, 42" RG-214 w/ 2 UG-573 "C" conn., $12.50
#A303892-10, SMA (m): TNC (f) 8" jumper; $6.00


18 foot RG-71 (93 ohm) Coax Cable with a BNC Male on each end.
#DLA400, Unused, $12.00

RG-142 Cable 3' 3" long with type SMA screw on male going to a type N female on the other. The type N female does not have any nuts. Cable is rated for 50 ohms 5000 volt. Diameter of the cable is similar to RG-58. Various manufacturers. 2 lbs sh. #RG-142-3, Used excellent condition, $9.00

Twisted Twin-Axial RF cable with braid silver shield. Both conductors are 24 gauge with 19 strands per conductor. Cable rated at 77 ohm impedance. Light blue jacket. #WT-24-(specify feet), $35.00/100ft; $129.00/500ft

BNC male to right angle BNC male five foot RG-58 coaxial cable.
#CG-1773, Unused, $7.; 3 for $16

W-128 Single conductor antenna wire as used on many radio sets from WW2 thru the 1970's. Removed from installation kits, good condition.
#W-128-5, 4 feet, $12.00;

- - - TYPE N - SMA CABLES - - -

From cellular installation:

Type N male to SMA male w/ 12" coax. #N-SMA-12, $4.00

Type N female to SMA male w/ 33" coax. #FN-SMA-33, $5.25

Hardline Coax

Hardline 50 ohm Coax, 3/8" dia aluminum jacket, foam insulated. 9 gauge center conductor. 3/32" dia solid copper wire. 25pf per foot nominal impedance, impedance 50 ohms, 2500 vrms:
#HLCX-3/8-(specify feet),
$1.00/ft; 100 ft/$73.00 500 ft/$295.00

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MINI-FLEXIBLE HARDLINE COAX CABLE, Belden 1573A (RG-402 50 ohm) with SMA connectors.
M =male, F=female, RA=right angle

#507-174A, M-RA to M-RA, 3.5" L, $12.50
#507-175A, M to F N-chassis conn, 8"L, $16.50

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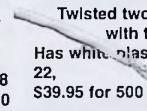
0.5" dia FLEXIBLE HARDLINE (Cablewave 16733) with male N-connections (1-right angle); Various lengths as noted; 5 lbs sh. #HDL-16733- (length):

6 ft, $25. 10 ft, $29.
12 ft, $31. 22 ft, $52.

Wire Galore !!

#22 Cloth Covered Stranded Hook-up Wire. Color choices: red/green, orange, orange/green, blue/red, green, PLEASE SPECIFY.
#WCC-22-(specify color)-(specify feet), $8.75/25ft, $27.00/100ft

9 foot of WM-46 cable as used with C-375, VRC-24 and TRC-68.
#CX-4498, Unused, $25.00


Twisted two conductor 22 gauge stranded cable with tin shield. 19 strands per conductor. Has white plastic jacket. Mfg by Brand-Rex. #WT-22,
$39.95 for 500 foot spool

Black 18 gauge 2 conductor Cable by Carol. Type SVT. 300V 60C. 250 feet. 11 lbs sh. #86002, Unused, $32.00

Gray 24 gauge 2 conductor Cable. Ideal for intercom use and other low voltage applications. Unused, 100 feet Less reel, #WR-24-2-100, $11.00;
1000 feet with reel, 14 lbs sh. #WR-24-2-1000,$27.

5' cord with U-77 on one end and a U-78 on the other. #SC-C-75348, Used, $17.00

Five foot audio cable with a PL-55 plug and a U-92A audio jack.
#DLA400-80-M-Y917, Unused, $10.00

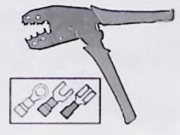
CB Installation Wire Kit provides parts to connect an SDU-5/E flasher to a vehicle (12/24V) battery or wiring. Kit includes the following: Voltage Converter, Adapter, (2) 3/8" Ring Lugs with Wire, (2) #8 Spade Lugs with Wire, (2) Battery Clips with Wire, (4) Connector Splices, (4) 3/8"-16 Nut. (2) 11.5" Cable Tie, 7.25" Cable Tie, and a Velcro Strip. 3 lbs sh. #CK-SDU, Unused, $12.00; 3 for $29.00

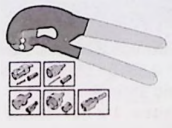
GUY WIRE, MACWHYTE Clear coated 1/4 inch stainless steel wire rope. 7x19. Unused,
100 feet, #GY-WR-100, $99.00
500 feet, #GY-WR-500, $399.00

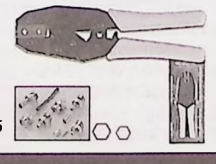
- - - MAGNET WIRE - - -
1 lb spool of Magnet Wire. 34 gauge, #MGT-34, $12.
1/4 lb spool of Magnet Wire. 30 gauge, #MGT-30, $4.

Crimping Tool

80-PC TRAY CARD WITH CRIMPING TOOL. Crimping tool comes with a variety of different spade terminals, ring terminals, etc..
#BL/FCT, New, $11.50


HEAVY-DUTY CRIMPING TOOL FOR FAST-ON. For crimping insulated terminals red awg 22-18, blue awg 16-14, yellow awg 12-10. 8.7" long. #VTHCT, $27.99

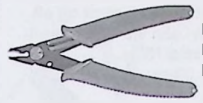

CRIMPING TOOL FOR F & BNC CONNECTORS. For crimping cables: BNC, TNC, UHF, SMA - For RG cable 59, 62, 140, 210, 55, 58. Size: 9.0". #VTFBNC, New, $19.99


COAX CRIMPING TOOL RATCHET TYPE. For crimping BNC/TNC/N/F. For RG cable: 59, 62, 140, 210, FIBREOPTIC. Size: 8.7", #VTBNC, New, $24.95

Cutters & Strippers

UNIVERSAL CUTTER - HEAVY-DUTY. 6.5" long. #VT09, $5.50

HQ MINIATURE DIAGONAL CUTTER. Carbon steel, hardened. Black oxide finish. 4.3" long. #VT057, $3.40

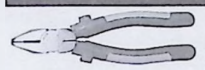

MICRO CUTTING NIPPERS. For precision work. 5.1" long. #VT100, $3.40

HEAVY DUTY MINIATURE DIAGONAL CUTTER. Carbon steel, hardened. Black oxide finish. 4.9" long. #VT106, $2.90

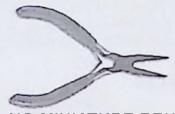
CABLE CUTTER. Curved blade cuts wires up to 0.4". 6.5" long. #VTCC, $8.90

5" ELECTRICAL CUTTER & STRIPPER. Strips wires from 20-24 AWG and cuts wires with a max. ÿ of 0.05". 4.7" long. #VT109, $4.99

Pliers

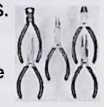

UNIVERSAL PLIERS - HEAVY-DUTY. 6.0" long. #VT04, $4.99

HEAVY-DUTY LONG NOSE PLIERS. 6.0" long. #VT05, $4.99


HQ MINIATURE FLAT NOSE PLIERS. Carbon steel, hardened. Black oxide finish. 4.9" long. #VT054, $2.90

HQ MINIATURE BENT NOSE PLIERS. Carbon steel, hardened. Black oxide finish. 4.9" long. #VT055, $2.90

HQ MINIATURE LONG NOSE PLIERS. Carbon steel, hardened. Black oxide finish. 4.5" long. #VT056, $3.40


TOOL SET / 5PCS DIFFERENT PLIERS. Stainless-steel precision pliers set (5 pcs) : diagonal cutter, top cutter, bent nose pliers, flat nose pliers, long nose pliers. #VTSET, New, $13.90

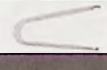
HEAVY DUTY TOOL SET - 3 PCS. Universal pliers, heavy-duty cutter, long nose pliers. New, #VT33, $14.99

Diamond Files

SET OF DIAMOND FILES - 10PCS. Powder-coated. 4.7" long. New, #VTDF1, $9.60

SET OF DIAMOND FILES - 5PCS. Powder-coated. 5.5" long. New, #VTDF2, $4.60

IC Extractor


IC EXTRACTION TOOL. 4.1" long. #VTIC, $1.60

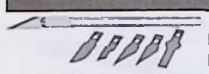
CALL US AT 419-223-2196 or 227-6573 24 HOUR FAX 419-227-1313

Vises

VACUUM TABLE VISE WITH STANDARD HEAD. Turns and rotates in all directions. 75mm jaws with protective detachable pads. Opening 70mm. With vacuum base: easy to mount on all flat surfaces, can also be mounted with screws. 5lbs. 7.3x6.2x6.2, #VTTV, New, $29.90

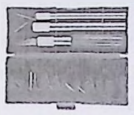
TABLE VISE WITH STANDARD HEAD. Professional quality for this metal vise for table-screw mounting. Jaw opening 3.0". Rotates 270 degree. Equipped with a fast mounting system. Height: 12.0". 6 lbs sh. #VTTV2, New, $28.99

Knives & Knife Sets



PRECISION KNIFE WITH 5-PC BLADE SET. 5.7" long. New, #VTK1, $2.40

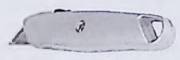
HEAVY-DUTY KNIFE WITH 5-PC BLADE SET. 5.1" long. New, #VTK2, $1.70



13-PC HEAVY-DUTY KNIFE SET. Contains 3 cutters with blade and 10 spare blades. New, #VTK7, $4.20

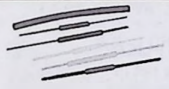
Utility Knife with lock. Blade snaps off for sharp tip. 4.9" long. New, #VTK3B, 2 for $1.00; 5 for $2.00

As above except: Plastic handle with metal protection, 6.3" long. New, #VTK5, $1.80



Utility Knife with metal housing. High-Q lock button. Set of spare blades. 6.1" long. New, #VTK4, $3.99
Five spare blades for above, #VTSB3, $0.80

Radio Tuning Tools



6-PC PLASTIC TUNING NEEDLE SET. Comes with a variety sizes. #VTPT, New, $5.60

High-Frequency Ceramic Radio Tuning Tools - Cross Tip, Special ceramic blades and antistatic handles. No electromagnetic induction. No eddy current loss in HF (High Frequency). 100% electric insulation. Length 3 47/64". New, #VTCS1, $2.50

Radio Alignment Tools, Set of 10 plastic adjusters. Length: 4 17/32". Tips: Flat: 1/32", 1/16", 5/64", 13/64". Cross: 3/32", 1/8". Hex: 5/64", 3/32". Square: 1/16" x 1/16", 5/64" x 5/64". New, #VTCSS, $4.20

Hex Wrench Set

HEX KEY WRENCH SET - 8PCS. Hex: 0.06", 0.08", 0.10", 0.12", 0.14", 0.16", 0.20", 0.24". New, #VTHEX8, $1.59

Screwdrivers

SCREWDRIVERS

HANDLE: Swivel-handed cap and color-coded caps for easy identification. User-friendly grips for improved comfort. Special handle for good torque. BLADES: Nickel-chrome molybdenum. Black oxidized tips for greater durability and accuracy. Plated blade to reduce glare and reflection. Horizontally ground tips for greater torque.

Philips type:
#0, 4.7" long, #VTC1, $3.90
#0-3, 6.7" long, #VTC2, $2.70
#1, 10.0" long, #VTC3, $4.20

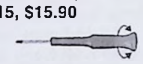
Slotted type:
0.06", 4.7" long, #VTF1, $2.30
0.09", 6.7" long, #VTF2, $2.50
0.14", 8.1" long, #VTF3, $3.60

ELECTRONIC SCREWDRIVER SETS

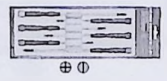
Ideal for TV sets, communication instruments, optical instruments, cameras, computers, VCRs, telephones, etc.

Slotted: 0.08"x1.6", 0.10"x1.6", 0.12"x1.6", 0.14"x1.6". Philips: PH#00x1.6", PH#0x1.6", PH#1x1.6". #VTSET13, $4.80

Slotted: 0.12"x1.6", 0.08"x1.6", 0.10"x1.6", 0.14"x1.6", 0.16"x1.6". Philips: PH#00x1.6", PH#0x1.6", PH#1x1.6", PH#2x1.6". Torx: #T6x1.6", #T8x1.6", #T9x1.6", #T10x1.6", #T15x1.6", #T20x1.6". 4.7" long. #VTSET15, $15.90



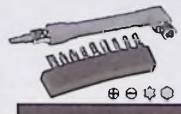
Chrome vanadium steel blade, satin finish. Lengths: 4 x 6 1/2" and 11 x 4 3/4". Torx: #T6, #T7, #T8, #T9, #T10, #T15, #T20. Slotted: 0.08", 0.10", 0.12", 0.16". Philips : PH#000, PH#00, PH#0, PH#1. #VTSET16, $21.90



Black oxidized tips. Plastic handle with swivel-headed cap. Slotted: 0.09"x3.0", 0.12"x3.9", 0.16"x5.9". Philips: #00x3.0", #0x3.9", #1x5.9". #VTSCRSET, $6.90

Chrome-vanadium. Fully insulated. Red plastic grip. Slotted: 0.10, 0.12, 0.14 2 Philips. #VTSCRSET5, $2.60

Includes voltage light tester (110-500V). Slotted: 0.24"x5.9", 0.20"x4.9", 0.16"x3.9", 0.16"x3.7", 0.10"x3.0". Philips: PH#0, PH#1, PH#2. #VTSCRSET1, $5.20



10-PC SCREWDRIVER SET. The bitholder has a holder for bits on both sides. Comes with 10 bits: 2 x slotted, 2 x philips, 3 x hex and 3 x torx. #VTTS2, $2.70

Tweezers

SET OF 4 TWEEZERS. Anti-magnetic stainless steel. 1 x bent nose, 1 x flat spade, 1 x self-closing and 1 x normal. 5.3" long. New, #VTTWSET, $2.99

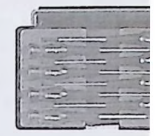
SET OF 4 TWEEZERS - NON-CONDUCTIVE. 5.3" long. New, #VTTWSET2, $3.90

SECURITY SCREWDRIVER SET

Contents - 1 x quality handl torx: T8x105, T10x105, T15x T20x105, T25x105, T27x105, T30x105. 3 x four-wing: 6x1 8x105, 10x105. 4 x U-shape 4x105, 6x105, 8x105, 10x105. 1 x cross: PH0x1 x flat: 3.0x105. #VTBT8, $29.95

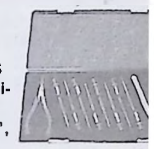
PRECISION SCREWDRIVERS (MICRO

Special handle with swivel cap. Black tip, chro molybdenum vanadium steel. Features - ROTA HEAD: to facilitate support and rotation control HANDLE: varying diameter for flexible grip posi and torque high impact resistance, cadmium-fre material, easy to recycle. TAPERED GROOVE: better grip and faster rotation. BLADE: made o quality alloy chrome-vanadium steel, heat-treat BLACK TIP: for high precision, protection from sion. COLOR CODED: for quick size selection. METAL BALL: for easier operation.

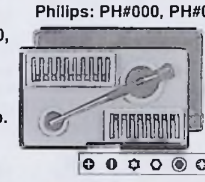


Slotted: 0.08"x2.9", 0.10"x2.9", 0.12"x2.9", 0.14"x2.9", 0.16"x2.9". Philips: PH#0-0x2.9", PH#0x2.9", PH#1x2.9". #VTSET11, $26.99

Torx: #T5x1.6", #T6x1.6", #T7x1.6", #T8x1 #T9x2.9", #T10x2.9", #T15x2.9", #T20x2.9" #VTSET12, $ 26.99

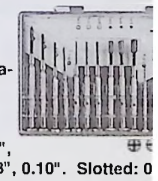


SET OF 2 PLIERS, TWEEZERS AND 8 SCREWDRIVERS (MICROTIP). 4" long nose pliers. 4" diagonal pliers. 4.9" tweezers. Slotted: 0.05"x1.6", 0.06"x1.6", 0.07"x1.6", 0.08"x1.6", 0.09"x1.6". Philips: PH#000, PH#00, PH#0. #VTSET14, $49.



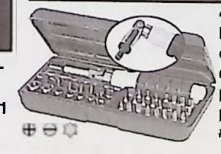
ELECTRONICS BIT SET (19PCS) WITH SCREWD (MICROTIP). 20-pc prec bit set. Philips: PH#0-0, Slotted: 0.08", 0.10", 0.1 0.16". Torx: #T6, #T7, #T #T9, #T10. Hex : 0.06", 0.10". Ball: 0.06", 0.08", 0.10". Pozzi: PZ#0-0, P #VTSET9, $26.99

TOOL SET. Ideal for TV sets, communication in ments, optical instruments, cameras, computer VCRs, telephones, etc.



Swivel-headed cap. Black oxidized tips for greater durability and accuracy. PRECISION SCREWDRIVERS - Philips: PH#1-1, PH#1-2, PH#0, PH#0-2. socket : 0.12", 0.16", 0.20". Hex: 0.06", 0.08", 0.10". Slotted: 0 0.06", 0.08", 0.09", 0.12", 0.15". #VTSET5, $4.90

Tool Kits



41-PC TOOLSET. Head be set at an angle of 0∞ or 90∞. 38 bits: 14 hex ets, 16 torx bits, 3 slotte philips and 2 S-bits. Wi plastic carrying case. #VTTS3, New, $10.20

UNIVERSAL CELLULAR PHONE TOOL KIT. Screwdrivers: U-shaped, curved, needle tip, 1 x philips, 1 x slotted, 3 x torx and 2 antenna removers. With colored swivel caps. #VTSET8, New, $8.90

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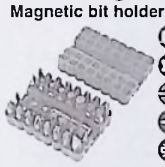
Bit Sets

Consists of the following: Philips bits: PH.0, PH.1, PH.2 (5x), PH.3; Pozzi bits: PZ.0, PZ.1, PZ.2 (5x), PZ.3; Square bits: S0, S1, S2, S3; Flat bits: 3, 4, 4.5, 5, 5.5, 6, 6.5, 7, 8mm; Antenna remover bits: 4, 6, 8, 10; Torx bits: T8, T10, T15, T20, T25, T27, T30, T40, T45; Tri-wing bits: 6, 8, 10; Torx with center bits: T8, T10, T15, T20, T25, T27, T30, T35, T40; Four-wing bits: 1, 2, 3, 4; Metric hex bits: 1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 8mm; Clutch bits: 1, 2, 3; Fractional hex bits: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4; Dodecagonal torx bits: M5, M6, M8; Metric hex with center bits: 2, 2.5, 3, 4, 5, 6mm; Fractional hex with centre bits: 5/32, 9/64, 1/8, 7/64, 3/32, 5/64; 1 wing nut driver; 4 extension bits - socket bit holder 1 pc, magnetic bit holder 1 pc, 1/4" sq. x 1/4" x 2" extension 1 pc, 1/4" sq. x 1/4" x 1" extension 1 pc. #VTBT11, New, $14.50

SECURITY BIT SET / 33 PCS. Contents - Torx: #T8, T10, T15, T20, T25, T27, T30, T35, T40. Hex: #5/64", 3/32", 7/64", 1/8", 9/64", 5/32". Hex: #2, 2.5, 3, 4, 5, 6. Tri-wing: #1, 2, 3, 4. Fork: #4, 6, 8, 10. Four-wing: #6, 8, 10. Magnetic bit holder: 1/4" hex. #VTBT5, New, $7.60

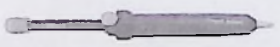


BIT SET / 33 PCS. Contents - Hex: #2, 2.5, 3, 4, 5, 6. Torx: # T10, T15, T20, T25, T30, T40. Slotted: 3, 4, 5, 6, 7. Philips: 1 x PH0, 2 x PH1, 3 x PH2, 2 x PH3. Pozzi : 2 x PZ1, 3 x PZ2, 2 x PZ3. Magnetic bit holder: 1/4" hex. #VTBT6, New, $4.80

Soldering Tools

"Helping Hands" Soldering Aid with magnifier. Table top, weighted base. Multi-dimensional adjustment capability. Alligator style clips for holding subject work. #VTHH, $5.50

6 Pc. Soldering Aid Set. 6 Double-ended picks and brushes. #VTSA, $7.90



POWERFUL DESOLDERING PUMP. Teflon-nozzle. 10.8" long. #VTD1, $3.40

EXTRA-POWERFUL DESOLDERING PUMP. Teflon-nozzle. 13.2" long. #VTD2, $3.80

DESOLDERING PUMP WITH ANTISTATIC TIP. 7.5" long. #VTD3, $5.90
Spare bit, #BITVTD3, $3.20

H.Q. DESOLDERING PUMP. Aluminum body. 6.4" long. #VTD5, $6.70; Spare bit, #BITVTD5, $1.60

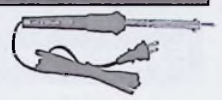
ECONOMIC SOLDERING IRON STAND. With cleaning sponge. #STANDLC, $3.50

NTE Solder Gun

NTE Solder Gun, 100 watts heats up to 750F in 25 seconds; 140 watts heats up to 950F in 40 seconds. Large dual heat trigger switch for low/high watt. Temperature control. Long-reach tip and sturdy heating element connectors. Pre-focused light. 6 foot, 2 wire cord. #J-100, New, $35.99

Two pack of nickel plated copper replacement tips for J-100 solder gun, #JT-104, $3.87

ECG Soldering Irons



Electric Corded Soldering Irons. Each of the soldering irons listed below feature a long life tip (nickel-iron plated copper) and a cool grip rubber handle.

25 Watt - Tip temperature 464F, #J-025, $11.99

Replacement conical tip for J-025 (nickel plated copper); 2 tips/package. #JT-101, $1.99

60 Watt - Tip temperature 860F, #J-060, $16.49

Replacement conical tip for J-060 (nickel plated copper); 2 tips/package. #JT-102, $4.99

Electric Corded De-Soldering Irons, 45 watt, Temperature 788F, Long life tip. #J-045-DS, $19.99

Butane Torch Micro-Jet. Features the following: Auto ignition, Child safety lock, Instant 2500F micro flame, Powered by a refillable butane cartridge (included). #J-300, $17.48

Two pack butane replacement cartridge for J-300. #JT-004, $2.49

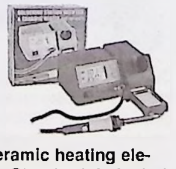
Kester Solder Supplies

Pocket Pak .031 Dia. 0.5 oz. #83-4000-0000, $2.99

Elec. Silver Solder, Box 0.35 oz. #83-7145-0415, $2.99

50 watt Solder Station

Soldering Station 50 watt 374-896F, Manual temperature setting, Electronic temperature control, Power-on LED indication, With ground output, Heater power for soldering iron is 50 watt. Requires 115VAC 60Hz. 7 1/4" x 3 31/32" x 3 1/2", 4 lbs sh. New, #VTSS5U, $23.99; Spare bit, #BITS5, $1.40



Soldering Station with LCD & Ceramic Heater 48W 150 - 450C, Manual temperature setting. LCD display with digital temperature scale. Temperature preset on LCD display. With on/off switch. Ceramic heating element with temperature sensor. Standard tip included. Maximum heater power for soldering iron is 48W. Temperature range: 302 - 842F. Low-voltage iron: 24VAC. Drop shipped from Texas. 7.3" x 4" x 6.7", New, #VTSSC40NU, $79.95
Spare Bit for above: #VTSSC40N/SPB, $1.80

PRS-4 Mine Detector

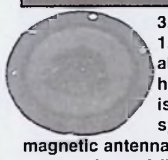
AN/PRS-4 Mine Detector, Capable of detecting non-metallic and metallic, Detects items Audibly through a headset assembly and visibly on a meter assembly. Mutual inductance. Comes Mine Detector, Headset, Meter, Harness-Knapsack, and transit case. Requires 95 to 135V; and 1.1 to 1.5V. 31.5x14.4x10, 65 lbs sh. #PRS-4, Used, $195.00

Manual Repro PRS-4, #MM-PRS-4, $15

Linear Bridge

Rosemount Linear Bridge 414L3 Temperature Control Amplifier, Range: -100F/ +500F; Input 115VAC; Load 10K Ohms. Has standard octal base. 3.9x2x2, 2 lbs sh. #414L3, Unused, $19.99

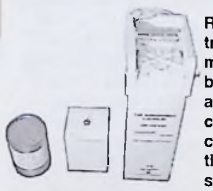
Ring Magnet



3.5" dia x 5/16" thick MAGNET with 1.9" dia open inner circle lifts about 8 lbs. 5" dia metal casing has mount flange to protect and isolate magnet; two wires attach to spring-loaded contacts. Use as magnetic antenna mount or in robotic, audio or science projects; 2 lb #MAG-S91, $4.00; 10/$14.00

Radiosondes

VAISALA RADIOSONDE, ultra-light disposable transmitter (400 MHz approx) is designed to be carried aloft by weather balloon and transmit data for air temperature, barometric pressure and humidity to a ground station. Consists of circuit board, dipole antenna, and trailing wire. Requires 9 V battery. Cute experimenter item! 12.5"H as shown; 3 lbs sh. #RS80, NEW, $14 ea; 5/$58.00



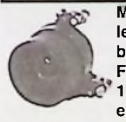
Radiosonde mfg by VIZ, transmits on 403 MHz RDF modulated signal; Includes battery and seperate antenna assy, transducer polishing cloth, baroswitch pressure calibration chart, and instructions. 4.8 x 3.8 x 12.3, 4 lbs sh. #ML659, Unused, $17.50

AMT-4 Radiosonde Modulator originally was raised by a balloon into the sky to measure atmospheric conditions. Comes w/ barometric unit only.

Atmospheric pressure range 1060 to 5 mb(millibars) Resistive temperature element temperature +60 to -90 d C. With schematic. #MD-147, Unused, $12.95

Newer version of above. No data, but expect the ranges to be about the same. #MD-210, Unused, $12
Original manual AMT-4A. #MM-AMT-4A, $21.00

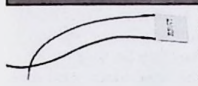
Motorized Lens



MINOLTA MOTORIZED LENS, focal length 3 mm with 6 mm zoom assembly; probably used in copy machine. Front coated lens diameter 60 mm; rear 15 mm. Focus and zoom mechanism each has small DC gear motor which operates at about 30 RPM @ 5 VDC or 60 RPM @ 10 VDC. 5.5x5.5, 3 lbs sh. #LENS-36-98, Unused, $27.00; 3 / $69.00

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

Peltier Device



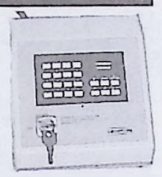
PELTIER THERMO-ELECTRIC COOLING MODULE 3A 15.4V 149F. Melcor type: CP1.0-127-06L. I max.: 3A. Delta T max.: 65∞C. voltage: 15.4V. Q max.: 25.7W. Number of couples: 127. Size: 1.2" x 1.2" x 0.14". 1 lb sh. #PELTIER1, New, $16.00

PELTIER THERMO-ELECTRIC COOLING MODULE 6A 15.4V 153F. I max.: 6.0A. Delta T max.: 67∞C. Voltage: 15.4V. Q max.: 51.4W. Number of couples: 127. Size: 1.6" x 1.6" x 0.15". 1 lb sh. #PELTIER2, New, $16.40

Dehumidifier Control

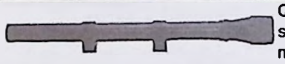
HONEYWELL DEHUMIDIFIER CONTROL as used in home dehumidifiers. Plastic element tape senses humidity and "opens" normally-closed 120 VAC contacts; has variable control. 1.8x4.5x1, 1 lb. #H46A1103, unused, $4.00

X-10 Controller



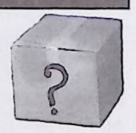
Leviton Manual Controller. Used to control light and appliance modules. Compatible with Radio Shack and Home Safe remote devices. Can control 256 "X10" device codes. Unit has 16 Unit Code Buttons. Also, has 6 Command Keys: On, Off, Bright, Dim, All Lights On, and All Off. The controller is equipped with a key-operated lock-out switch that can be set in the "ON" or "OFF" position. The controller will transmit command signals to modules in your control system only if this switch is keyed to the "ON" position. Key pad mounted in sturdy steel case. Requires 120VAC 60Hz. 8.3x6.7x4.5, 7 lbs sh. #X10-6242, Unused, $14.00 ea, 2 / $24.50, 4 / $43.00

Weaver D6 Scope



Qualtiy 6 power scope fits common rifle mounts. Unfortunately scope is without cross-hair. Still a nice low-cost spotting scope! 12.3" long, 2lbs. #SCOPE-D6-U, Used,$9; #SCOPE-D6-UN, Unused,$17

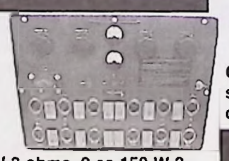
Grab Box



ASSORTMENT of used and unused commercial and government electronics parts such as assemblies, motors, coils, transformers, chokes, circuit boards, capacitors, resistors, and other usable items. Packed in 50 lbs cartons: #GRAB-ASST, $16.50 ea; 2 / $28.00

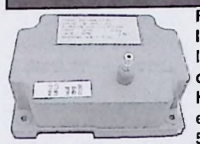
Allow for shipping charges!!

Matched Meters & Rheostats



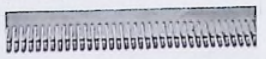
"Loaded" with prime "clean" parts for DC power projects!
Panel includes:
* 0-30 VDC METER.
* 0-30 DC AMMETER.
* 4 ea 50 MV SHUNTS.
* 4 RHEOSTATS: 2 ea 225 W 3 ohms, 2 ea 150 W 2 ohms. * 12 Circuit Breakers: 4 ea 32 VDC 8 amps 8 ea 32 VDC 20 amp. * 12 ea 1N1184 DIODES.
* 4 ea 2.4" dia KNOBS and other parts. Panel is sold "less its On-Off and 4 STA selector switch.
18.8x23x6, 30 lb. #DAV-LCP, $52.00
Manual Repro for above, #MM-DAV, $14.00

Electronic Ignitor



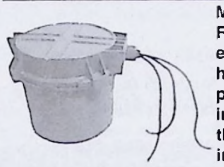
Fenwal Automatic Electronic Ignitor. Input12 VDC. This looks like an ignitor for an oil furnace as it puts out a HV spark. Maybe neat for experiments. BE CAREFUL. 5.25 x 4.75 x 3 overall. 3 lbs sh. #05-159901-003, Unused, $19.50

Finger Stock



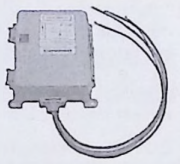
18" long x 1/2" ht strips of finger stock. Each individual finger has a width of 1/15" and a ht of 5/16". #FS-18, Unused, $9.25 ea; 3 / $23.00

Experimenter's Paradise



Motorola Control Receiver???? Great experimenter item. We have seen them in the past in some cities at intersections and believe their purpose was to intercept traffic signals when emergency vehicles needed to pass. Transistorized receiver covers 139.65 MHz with a five section preselector, crystal controlled oscillator and Vibrasponder' tone detector which allows a SPST relay to be actuated by a tone in 600 to 800 Hz range. SPECIFY if tone-match required. Receiver is housed in a plastic protective case. Power required 24 VAC. Has internal transformer and power supply. 7.2" dia. x 6" Ht, 5 lbs sh. #15D82032, $11 each 4 for $35.00 #SCH-15D82032, Schematic Info, $10.00

Control Receiver

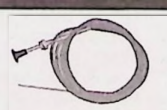


Scientific Atlanta Power Control Receiver Model DCU-1051B-01-00-S Series DCU-G-1530. Originally used by power companies to allow radio control of power usage. The units have receivers in the 150 mhz range as well as a 6 VDC contactor rated for 240 VAC 30A resistive. They are programmable and will work on the General Electric code format and/or the SA-105. Power transformer 240 VAC secondary approx 6 Vac. The weather resistant plastic case with gasket and snap closure is excellent for outdoor projects. Has molded on wall mounting brackets. Internal dimensions 9.5x7.4x3, 5 lbs sh. #DCU-1051B, Unused $20.00 each; 3/$44.00

Military Flashlight

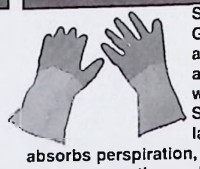
MX-991/U FLASHLIGHT official rugged right angle military type made in USA. Operate from two "D" cell batteries (not included). Clear diffuser, red signal, and blue spare lenses store in handle; metal belt clip. O.D. green plastic; current issue, 8.3"Lx2" dia. #MX-991, New, $10.95

Choke Cable



Six foot choke cable with knob with 2 inch pull. 2 lbs shipping. #CHEX-CBL, $7.00

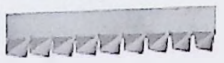
Neoprene Gloves



Stanzoll Knit-Lined Neoprene Gloves. Multi-purpose chemical, abrasion and temperature resistant liquid-proof hand protection with durability and flexibility. Soft interlock knit lining insulates from heat and cold, absorbs perspiration, and provides easy on/off. Neoprene coating resists a broad range of chemicals. Non-slip "roughed" grip. Mfg by MAPA Professional. New, $6.00 pair; 4 pair for $16.50

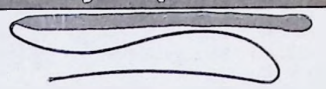
Please specify model number when ordering.
Sizes available: Small: #S-432; Medium: #M-420
Large: #L-408; Extra Large: #XL-348

Finger Stock



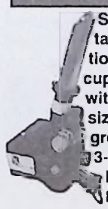
24" long x 5/16" height of Finger Stock. Beryllium Copper Radio Frequency Grounding Contact Strip, Each individual finger has a width of 1/8" and a height of 1/8". #97-555-02, Unused, $7.95

Hydrophone



U S Navy NT-51038 Hydrophone, unused in wood box. Frequency range 1 - 20000 hz with eight Rochelle Salt Crystal doublets, each about 3 x 2 x 1 inch. Matching transformer for 25 ohm output. Rubber casing with castor oil immersed crystals approx 56 inches by 2.5 inches in diameter. The castor oil was used to couple the crystals to the water. Castor oil has deteriated. Nine foot cable with two steel strain wires and two signal wires. A great experimenter item with a potential for listening to fish ???, boats, ships etc. Unused old stock in wood box. 29 lbs sh. #NT-51038, $30.00

Aircraft Sextant

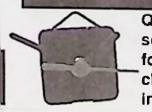


Sextant w/ periscope used in larger military aircraft to determine nightflight position relative to the stars. Has eyepiece with cup to view through right angle periscope with bubble level. Controls increase bubble size and adjust lens diffuser plus filters red, green & polarized. Also mechanical timer, 3-digit 100-turn counter dial, & transit case. Requires 28 V AC-DC for lights; 8"Wx13"Hx5.3"D, 23 lb #MS28011-1F, used w/ fiberglass case, $79.50
#MS28011-NB, used, no case, no bubble, $41.95
Manual Repro for MS28011, #MM-MS28011, $20.00

LED Flashlight

ECG LED Super-Bright Flashlights, Conveniently-Sized, 14 super bright LEDs. Aluminum alloy case. Waterproof. 90 day warranty. LED life 100,000 hours. Includes 3 AAA batteries. Pewter color, #FS-03PW, New, $7.39 each;

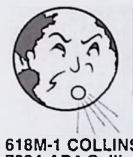
Clock Mechanism



Quartz Clock Mechanism, for your self-made clock or as a replacement for a damaged clock. With suspension clip. Requires one AA-battery (not incl.). 2.2" x 2.2" x 0.6", #WCM1,$1.60

Quartz Clock Mechanism with Alarm Function, Integrated buzzer with on/off switch. Comes with a set of clock hands. Requires one AA-battery (not incl.). 2.2" x 2.0", #WCM2, $6.40

EMAIL US YOUR INQUIRIES AT FAIRRADIO@FAIRRADIO.COM



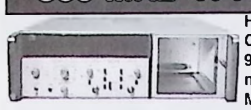
Test Equipment Blow Out!!

All test equipment listed below is used reparable

618M-1 COLLINS TRANSCEIVER $125
7034-AD4 Collins Test Generator used reparable $250
All-Cutler Hammer 777 Universal Radio Meter $150
Allison Labs 2-CR HP LP filter $175
AN/ARM-113 TS-2585 Radio Test Set $325
Applied Research UHF Multibouplier UHA-8R $175.00
APS Dynamics 124 Dual Mode Power Amp $125
ARC-131 Test Set $375.00
ARM-41ARC-58 Radio Test Set $295
AUSTRON 6014 FREQUENCY MULTIPLIER $175
Austron Disciplined frequency standard $225
Ballantine 323 true RMS voltmeter $85
Ballantine 6310A Audio Test Oscillator $65
Bell & Howell TSC-2000 System Calibrator $195
Bertran 205A-10 10KV 2.5 ma power supply $240
Biddle Resistance Therometer Bridge 72-409-03 $ 85
Biddle Wheatstone Bridge 72-433 $75
Boonton 63H Inductance Bridge 295
Boonton 74D Capacitance Bridge $150.00
Boonton 75A-S8 Capacitance Bridge 1 Mhz $150
Boonton 75D Capacitance Bridge 100khz $145
Boonton 76A Automatic Capacitance Bridge $250
Boonton 91M RF millivoltmeter no probe $69.00
Boonton 93AD $45
Boonton 230A Power Amplifier 10-500 mhz $175
BR Communications 3008 remote start interface $195
BR Communications 4028 Receiver $295
Bruel Kjoer 1024 Sine Random Generator $175
Bruel Kjoer 1042 Sine Random Generator $175
Bruel KJoer 2005 Hetrodyne Voltmeter 0.1-29mhz $225
C10196/USM-430 $475
CEI SC200 Oscilloscope $125
CM212/USM144 $125
COLLINS 413 E-1 Power Supply $125
Collins 413 F-1 Power Supply $150
Collins 476 H-1 Test Set $275
COLLINS 476U-1 Radio Test Set $275
Collins 478H-1 Test Set 413F-1 Collins Power supply $275
Collins 490B-1 Antenna Coupler $450.00
Collins 618M-1 Transceiver $125
Collins 7303-60 TSG Test Signal Generator $195
Collins 7303A-40 TSG Test Signal Generator $195
CONFERENCE BRIDGE TELEPHONE TA-1008/TSC-62 $195
CURRY MCLAUGHLIN & LAN SMS-1 FREQUENCY STABILITY MEASURING SET $125
Cushman CE-21Frequency Selective Voltemeter $175
CV 2353 freg converter $165
Cybermaster Downstream 2000 CMD200 $45
Data Check 8300A-W Flutter Meter $150
DATA IO Sys 19 099-1902 Universal Programmer w/adaptrs $195
Daytronic 300D transducer amplifier indicator, w/ type V 10 volt output module, type71 High Sensitivity Transformer Input Module $125
Defense Electronics UHF Mulitcoupler 400-700 $145
Eaton Phase Angle Voltmeter $195
Eldorado 990 Microwave Freguency Counter $295
Electrac 415A Phase Lock Demodulator Multiplier $145
Eletrac 220R Tracking Filter $75
ESI dekabox db62 .oo1, .01, 1, 10, 100, 1k $85
ESI-290B Impendance Bridge $150
EXACT 506 Sweep Function Generator $125.00
EXACT 566 SWEEP FUNCTION GENERATOR $125
FDC Electronic Development Co 501 Programmer DC Voltage Standard $125
FEL 133A Phase Lock Synchronizer $195
Fluke 332D/AB DC Voltage Standard $165
Fluke 335D DC Volt Standard, Differential Voltmeter, Nullmeter $195
Fluke 343A DC Volt Calibrator $195.00
Fluke 405B 2500v high voltage power supply $295
Fluke 760A Meter Calibrator $325
Fluke 1953A Portable Counter $99.00
Fluke 5200A Programmable AC Calibrator $275
Fluke 5205A Precision Power Amplifier $395.00
Fluke 6039 FREQ SYNTH $325
Fluke 6160 freg synthesizer 40-160mhz $195
Fluke 801BR Differential Voltmeter $45
Fluke 8920A True RMS Voltmeter $150
FR 172 Cavity Wavemeter $125
Freed 1620A Megohmmeter $325
Freed 1620R Megohmmeter $325
Geo-Space VLF-12 Receiver Phase Comparator $150
Gertsch 480 AC DC Ratio Standard. $195
Gertsch FM VHF FREQUENCY METER $85
Gertsch RT-9 Ratio Transformer $150
Gertsch Synchro Standard SS-2A $150
GR UNIT POWER SUPPLY 300V 50 MA $45
GR 1021 40-250 mhz am signal generator $95
GR1215C 50 - 250 Mhz unit oscillator $65.00
GR1218B 900 - 2000 Mhz Oscillator $75.00
GR1232 Tuned Amplifier/Null Detector $45
GR1264B Modulating Power Supply 200-300VDC 50mA 6.5VDC 1A $150
GR1310A Oscillator 2hz-2Mhz $75
GR1381 Random Noise Generator $85
GR1432F Decade Resistor 11.1 ohms $125.00
GR1433 Decade Resistor 99999 $125.00
GR1450-TBR Decade Attenuator $96.00
GR1454A Decade Volage Divider $95
GR1482P Standard Inductor 1hy +0.1% $125.00
GR1633 Incremental Inductance Bridge $850.00
GR-1863 Megohmmeter $250.00
Guildline 9120 Potentiometer $395
Guildline 9160-G Potentiometer $250
Guildline 9577 Precision Digital Voltemeter ratio AC DC Ohms $295
Guildline 9719 Volt Ratio Box $175
Halcyon 515A Data Line Test Set $75
Harris 9100 Facility Control $69.50
HEATH 1277 Audio Generator $65.00
Honeywell 1630 precusion kelvin double bridge $250
Honeywell 1858 VisiCorder $95.00
Honeywell Potentimeter 2715 $65
HONEYWELL 4881 Transient Generator $195
HP200CDR Audio Generator $95
HP214A Pulse Generator $150
HP355C Attenuator $125
HP415E SWR Meter $95
HP652A Audio Test Oscillator $195
HP739/AR Frequency Response test set $175.00
HP745A CALIBRATOR $195
HP805A SLOTTED LINE $125
HP940A Freg Doubler $150
HP1206B Oscilloscope $150
HP3310A Function Generator $125
HP3437A System Voltmeter $125
HP3476B Digital Multimeter $195
HP 3490A MULTIMETER $150
HP-3555B Transmission Noise Measuring set $150
HP 3571a tracking spectrum analyzer $275
HP3575A Gain Phase Meter 1hz-13mhz $375
HP3590A Wave Analyzer w/3594A Sweeping Local Oscillator $189
HP3710 IF/BB Transmitter $125
HP4260a Universal Bridge $295
HP4437A Attenuator $75
HP4815A less probe $295
HP5036 Microprocessor Lab $175
HP5110B Synthesizer Driver $85
HP5180 Waveform Recorder $295
HP5300B measuring system counter $100
HP5300B w/5312A HPIB Interface w/5305B 1300mhz Counter $225
HP5314A Universal Counter $150
HP5315B Universal Counter $175
HP5326 Counter, Timer, DVM $125
HP5327A Nixie Timer Counter $120
HP6033A SYSTEM POWER SUPPLY $275.00
HP6034A SYSTEM POWER SUPPLY $275
HP6438B 0-60V 0-5A DC PONER SUPPLY $295
HP6522 HV POWER SUPPLY 2000 V 10 MA $395
HP8002A pulse Generator $150
HP8402B Calibrator $75
HP8414 Polar Display $295
HP8441 Preselector $275
HP8443 Tracking Generator Counter $250
HP8443A-H066 tracking generator counter $295
HP8614A Signal Generator 0.6 - 2.4 GHz $195
HP8620a W/8622A 0.1-2.4 Ghz $250
HP8690B Sweep Oscillator less plug in $95.00
HP8742A Reffection Test Unit 2-12.4ghz $250
HP8743B Reflection Transmission Test Set 2-12.4GHz $195
HP8900B Peak Power Calibrator $95.00
HP8903A-K85 Switching Module $150
HP54600 100mhz 2 Channel Oscilloscope $325
HP59303A DIGITAL Analog Converter $50
Hubble HI potronics 3KVAC HI Pot Tester $175
Hughes STX-151 Microwave Transmitter $295.00
KAY 159E Multi Sweep 0.300-300mhz $125
Kepco 1500 VDC 10 Ma Power Supply w/ meter $95
Krohn Hite 4140R Oscillator $195
Krohn-Hite 330a Ultra Low Freg Band Pass Filter $150
KROHN HITE 3103 FILTER $195
L&N 2665 Ayrton Shunt $95
L&N 4232B Guarded Wheatstone Bridge $100
L&N 4385 Shunt Box $75.00
L&N 4735 Wheatstone Bridge $175
L&N 7553-5 k-3 universal patentunemeter $195
L&N 7592 750 Ohm/Volt Volt Box $95
L&N 8687 Volt Potentiometer $125.00
L&N 8690-2 Millivolt Potentiometer $99.50
L&N 8691-2 Millivolt Potentiometer $99
L&N 8692 Temperature Potentiometer $99.00
L&N 8693-2 Temperature Potentiometer $99
L&N ABS 100000 Ohm Voltage Divider $150
Marti SCG-8H Subcarrier Generator $125
MARTI SCR-8H Subcarrier reciever $85
Maury Microwave W137 Waveguide 5.85-8.2 Ghz APC Connectors $250
MB-2250MB Power Amplifier $125.00
McMartin TBM-1100R RECEIVER $75
ME-2 audio level meter $99
ME-51/AP Power meter vintage $45.00
ME-112 modulation meter $150
Monroe ISO Probe 144S-4 Electrostatic Voltmeter $295
MX-932 Turntable Amp MC-364 $250.00
NH Research 4201 mod 2 2 Phase Differential Wattmeter $150
NH Research 5 7220 2 Phase Power Source $195
NH Research SF 2276-1 2 phase Wave Wheel supply $145
NORLIN A1007-1 RF AMPLIFIER $155
North Atlantic 225 PHASE ANGLE VOLTMETER $250
North Atlantic 545 Angle Position Indicator Nixie $225
North Atlantic VM-204 PHASE ANGLE Voltmeter $225
OA-1378/GRC TRC-27 4.4-5Ghz Dish Antenna and 20 ft Mast Kit $195
PAR Lock in Amplifier 124 $125
Payton 300BD Dual Channel Aggregation Module $125
Philco 128A 128A-ATT-2 Attenuator rati 0o trans former w/128A-JP $125
Philco 400A 960-1215 Mhz Bidirectional Peak Power Monitor $135
Polarad 1105A-M .8-2.4 Ghz $250
Polorad 1108 6.95-11 Ghz $250
PP-4514/PRC-74 Power Supply $225.00
PRD 232H Slotted Line Carriage $150
Probe 1-1001 PLO/Synthesizer $75
PT-5R - Gertsch Standard Ratio $75.00
R160 force calibrator Neptone Meter Co $150
RFL-459 Crystal Impedance Meter $150.00
RFL-531 Crystal Impedance Meter $150.00
RFL541 Crystal Impedance Meter $150.00
RFL-829G AC / DC Calibrator $595.00
Rockland 852 $250
Rockland 5100 Remotely Programmable Frequency Synthesizer $295
Rockland 5110 remotely programmable freg synth $175
Rockwell 7303A-40 Test Signal Generator VFO $195
Rockwell 7303A-60 Test Signal Generator $195
Rubicon Portable Potentiometer $125
Rycom 27834 Buried Cable Fault Locator $75
Rycom 27851 Cable Fault Locater Transmitter $75
Scientific Atlanta 6600 Video Receiver $450.00
Sencore tr-139b IN circuit transistor tester $50
SG-1174U Signal Generator on web $145.00
Sierra 219b Transistor Tester $45
Sigma 4500 Relay Test Set $35
Singer Gertsch RT-9 Radio Transformer $150
Singer Gertsch UNIVERSAL TONE GENERATOR $125
SKL-302 Variable Electronic Filter $195
SKL-381 Power Supply w/4SKL 364 filter LP-HP $295
Slaughter 122-2.5 2500 VAC Insulation Tester 8500 $150
Solar Transient Generator 7823-1 $150
SRL 221A HP LP Filter poor $125
SRL221B HP LP filter $195
Star Dynamic TTA2936C Tactical Terminal Adapter $75
Systems Research Labs SRL 259F High Pass Low Pass filter $185
TCI 240-ASY-02A LOOP Antenna Array, Power Supply Multicoupler $195
TEK 067-0502-00 Calibrator Fixture $75
TEK 172 TEST FIXTURE $150
TEK 184 Time Mark Generator $150
TEK 520 Vector NTSC Scope $150.00
TEK 602 Display $175
Telemet 4400 Modulator $50
TELEMET DEMODULATOR 4501 $65
Transmagnetics 3800c-6av/488 synchro/resaluer simulator $295
Tri-Pheonix PX-32C Programmer Pulse Generator $299
TS-155 Test Set $175.00
TS-1506/ARM-53 Test Set $100.00
TS-3394A TPM-25 Radar Test Set $295
Unholtz Dickie OSP-4 Oscillator Servo Programmer $295
Unholtz Dickie SPA7 Servo Programmer $295
Unitek 1-065-02 Weldmatic $225
UPM-137 RADAR Test Set $795
VOLTRON WATTMETER 3 phase 12-3khz 90v $150
VTM/XDCR STE/ICE-R Vehicle Test Kit $595
Wavetek 143 20 Mhz Function Generator $99
Wavetek 157 Programmable Waveform Synthesizer $225
Wavetek 159 Waveform Generator $295
Wavetek 430 Transmission Multimeter $99.00
Wavetek 750 Phase Meter $350
Wavetek 957A 12 - 18 Ghz micro source $225
Wavetek 1018B Log/Lin RF Peak Power Meter $595
Wavetek 1062 Sweep Generator $125
Wavetek SG1146 Funtion Generator $150
Weltek Precision force 3W-111 w/ Standard Weights $150
West Instruments 9B Pyrotest $100
White Band Pass Filter Test Set 2640 $75
ZM-3 Capacitance Analyzer $125
ZPV Polarad Vector Analyzer $395

MANY ITEMS NOT LISTED - TELL US YOUR NEEDS

500 MHz H-P Counter



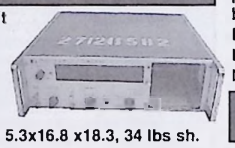
HP-5345A ELECTRONIC COUNTER, solid-state 9-digit plug-in type measures DC to 500 MHz channels A & B without any plug-in. Function Select: Plug-in, Freq A, Period A, Time Int A to B, Ratio B/A, Start Stop. Channel controls 50 or 1 M ohm input, x1/x10 Atten, AC-DC, and Level. Requires 100/120/220/240 VAC 48-66 Hz; 5.3x 16.8x19.5, 42 lb sh. #HP-5345A, Used-reparable, $299.00

HP-5328A ELECTRONIC COUNTER, solid-state modular design; counts upto 512 MHz on 9-digit LED display. 10 MHz reference oscillator, input for external freq-standard. Universal 100 MHz Module controls Channels A & B functions LEVEL, AC-DC select, ATTEN 1-10-100, and Marker output. Sensitivity 25 MV to 40 MHz; 50 MV 40-100 MHz. Channel C module provides 5-512 MHz range, 15 MV rms sensitivity. Trigger fixed; 50 ohm impedance. With Option 011 HP-1B computer interface & manual repro. Requires 100/120/220/240 V 48-66 Hz; 3.5x 18.5x19, 28 lbs.
#HP-5328A-UR, Used-Reparable, $299.00
#HP-5328A-CH, Checked, except for HP-1 computer interface, $499.00

18 GHz Counter

HEWLETT-PACKARD 5340A FREQUENCY COUNTER, covers 10 Hz to 18 GHz with automatic amplitude discrimination feature allowing counter to select largest signal in 250 MHz-18 GHz spectrum. Has 8-digit display. Sensitivity -30 dBm, 10 Hz-500 MHz; -35 dBm 500 MHz-10 GHz; -25 dBm 10-18 GHz. Input impedance 50 ohms; 10 MHz crystal time base. Has Self-Check and N and BNC input connections. Requires 115/230 VAC 48-66 Hz; 3.5x 16.8x18.8, 31 lbs sh. #HP-5340A, Used-Checked, $999.00

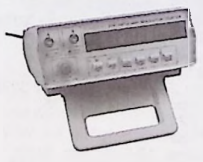
HP-5245L Counter



HP-5245L COUNTER, 7-digit predecessor of 5345A; measures upto 50 MHz without plug-ins. 100 mv sensitivity; gate 1 usec to 10 sec in decade steps. Units at least "test" count. 5.3x16.8 x18.3, 34 lbs sh. #HP-5245L, Used-Reparable without plug-in, $95.00

Manual repro, #MM-HP-5245L, $27 w/set purchase.
#HP-5253B Plug-in, 50-500Mhz, $69.00
#HP-5257A Transfer Osc. plug-in, 0.05-18 GHz, $200

Frequency Counter



2.4GHz HIGH RESOLUTION FREQUENCY COUNTER, 8-digits green LED display with annunciators. Two-channel operating mode memory. Adjustable range and gate time. High-safety design as per IEC 1010, cat. II. Frequency range: 0.01Hz - 2.4GHz. Accuracy: time base error x frequency ± 1 digit, gate time: 100 msec - 10 sec. Input characteristics: o channel A: + frequency range: # DC couple: 0.01Hz to 100HZ, # AC couple: 100Hz to 50Mhz, + sensitivity: 80mVrms, + impedance: 1 Mohms, + max. input voltage: 30V; o channel B: + frequency range: from 50Mhz to 2.4Ghz, + sensitivity: 50mVrms, + impedance: 50 ohms, + max. input voltage: 3V. Requires 110-220VAC ± 10%. Drop shipped from Texas. New, #DVM13MFC2U, Retail, $172.00: Our Price, $119.95

Value Priced Multimeter

MINI 3 1/2 DIGIT DMM - 19 RANGES. Automatic polarity indication. Diode and transistor (hFE) test. DC voltage: 200m/2000m/20/200/500V. AC voltage: 200/500V. DC current: 200μ/2000μ/20m/200m/10A. Resistance : 200/2000/20k/200k/2000k. Basic accuracy : ±0.8% (±1.0% for 2000k range). Low-battery indication. With manual, test leads, and GP23GA 12V battery. #DVM810, New, $6.99

23 Range Multimeter

3 1/2 DMM - 23 Ranges / 20A. Has transistor, diode and audible continuity test. DC voltage: 200m/2/20/200 /1000V. AC voltage: 2/20/200/750V. DC current: 200μ/2m/20m/200m/20A. AC current: 2m/20m/200m/20A. Low-battery indication. 3.3"x6.5"x1.3" 3 lbs sh. With manual, test leads, holster, and 9V battery. #DVM92, New, $21.99

Clamp Meter

ECONOMIC DIGITAL CLAMP METER, 3 1/2 LCD display with automatic polarity indication. Data-hold function. AC current measurements: max. 1000A. Insulation test: max. 2000Mohm. Voltage measurements: AC (max. 750V) and DC (max. 1000V). Resistance measurements: max. 20Kohm. DC voltage: 1000V. Basic accuracy: ± 0.8%. Input impedance: > 9Mohm. Maximum input: 1000V. AC voltage: 750V. Basic accuracy: ±1.0%. Input impedance: > 9Mohm. Maximum input: 750V. AC current: 200/1000A. Basic accuracy: ±2.0%. Overload protection: 1200A for 60 seconds. Resistance: 200/20k (insulation test : 20M/2000M). Basic accuracy: ±1.0% (±2.0% for insulation test). Overload protection: 500V. Overrange: yes "1". Continuity buzzer: yes. Low-battery indication: yes "BAT". Requires 9V battery. Accessories: manual / test leads / battery / carrying bag. 9.1" x 1.5" x 3.5". 2 lbs sh. #DCM266L, New, $19.99

Economy Multimeter

3 1/2 DMM - 10A / HOLD FUNCTION / BACKLIGHT, DMM with automatic polarity function and 3 Ω digit LCD display. Diode, transistor and continuity test with buzzer. Data-hold function and backlight. DC voltage: 200m/2/20/200/1000V. AC voltage: 200/600V. Maximum AC/DC voltage is 600V. DC current: 200μ/2m/20m/200m/10A. Overload protection: 10A. Resistance: 200/2k/20k/200k/2M. Requires 9V 6LR61 battery (incl.). Comes with protective holster. 2.7" x 5.4" x 1.2". #DVM850BL, New, $15.99

Analog Multimeter

DC voltage 2.5/10/50/250/500V, maximum input 500V, AC voltage 10/50/500V, maximum input 500V, DC current 500μ/10m/250mA, resistance: x1 and x10 with ohm adjusting knob. Basic accuracy ± 5%. Has battery-check function, and fuse & diode protection. Requires one AA-battery (included). Comes with manual, test leads and protective holster. 4.7" x 2.4" x 1.2", 2 lbs sh. #AVM460, $14.40

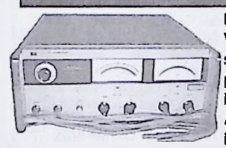
Freq, Cap, Temp, Meter

3 1/2 DMM - 30 RANGES / 20A / TEMPERATURE IN CELSIUS / CAPACITANCE / FREQUENCY, DC voltage: 200m/2/20/200/1000V ±0.5% + 1 digit, ±0.8% + 2 digits (1000V). AC voltage: 2/20/200/750V ±0.8% + 3 digits, ±1.2% + 3 digits (750V). DC current: 20m/200m/10A ±1.5%, ±2.0% (10A). AC current: 2m/200m/10A ±1%, ±1.8% (200mA), ±3% (10A). Resistance: 200/2k/20k/200k/2M/200M, ±0.8% (±5.0% for 200M range). Capacitance: 20n/200n/2μ/20μF ±4%. Frequency: 200kHz ±1.5% (overload protection: 380VDC of 380VAC rms). Temperature: -20∞C to 1000∞C ±5%, ±1% (1∞C-400∞C), ±2% (401∞C-1000∞C). Requires 9V battery. With auto power-off. Transistor, diode and audible continuity test. Data hold function. Accessories included: manual / test leads / holster / battery / temp. probe. Low-battery indication, & overload protection. With holster. 7.5" x 3.3" x 2.2", 2 lbs sh. New, #DVM8264, $49.95

Temp / Capacitance / Freq

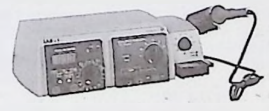
3 1/2 DMM - 30 RANGES / 20A / TEMPERATURE / CAPACITANCE / FREQUENCY. Low-battery indication, Overload protection and automatic deactivation. Transistor, diode and audible continuity test. DC voltage: 200m/2/20/200/1000V. AC voltage: 2/20/200/700V. DC current: 2m/20m/200m/20A. AC current: 20m/200m/20A. Resistance: 200/2k/20k/200k/2M/20M/200M. Capacitance: 2000p/20n/200n/2μ/20μF. Frequency: 20kHz. Temperature: -50C to 1000C. 3.5" x 6.7" x 1.5". 3 lbs sh. With manual, test leads, holster, 9V battery, temp. probe. #DVM890F, New, $39.90

Vector Voltmeter



Hewlett-Packard 8405A Vector Voltmeter, measures both magnitude and phase over 1 to 1000 MHz in 21 overlapping bands. Also capable of determining insertion loss, group delay of bandpass filters, complex impedance of mixers and antennas, RF distortion and in-circuit probing. Ranges: 100 uv to 1 V-rms full scale in 10 db steps. Phase: 360 degrees on 0-center meter with end scale ranges +/- 180, 60, 18 and 6 deg. Band-width: 1 KHz. Requires 115/230 VAC50-400 Hz; 7x16.8x18.4, 36 lbs sh. Probes do not have tips, internal components of probe are missing and cable is damaged. #HP-8405A-UR, Used As-Is w/ manual repro, $199.00

3-in-1 Lab Unit

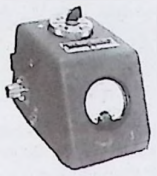


3-in-1 Lab Unit, Multimeter, Power supply, and Soldering Iron.

DIGITAL MULTIMETER - 3 1/2 backlit LCD, Automatic polarity indication, DC voltage: 200mV to 600V in 5 steps, AC voltage: 200V and 600V, DC current: 200μA to 10A in 5 steps, Resistance: 200 ohm to 2Mohm, Diode, Transistor and Continuity Test, Data-hold function and buzzer. REGULATED POWER SUPPLY - Selectable output voltages: 3 - 4.5 - 6 - 7.5 - 9 - 12Vdc, Output current: 1.5A (2A peak), LED overload indication, Output on/off switch, Very low ripple, LED power indication. SOLDERING STATION - Low-voltage iron: 24V, Ceramic 48W heating element with temperature sensor, Temperature range: OFF - 150 - 450C, Lead-free soldering possible, Supplied w/ sponge and spare bit. Great space saver! Drop shipped from Texas. #LAB1U, List Price, $193.40; Our Price, $132.94

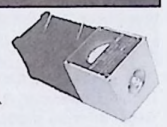
FOR ORDERING INFORMATION SEE PAGES 19

URM-120 Wattmeter



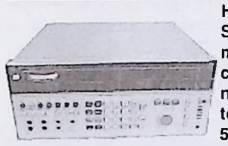
URM-120 Wattmeter measures incident & reflected RF from 10 to 500 watts over 25 to 1000 MHz. Uses two plug-in coupler elements CU-754 (25-250 MHz, 10-50-100-500 W) and CU-755 (200-1000 MHz, 10-50-100-500 W) that fit TS-1285* meter. Max-insertion VSWR 1.08 (1.05 for CU-754/755, 500 W range). Power selectable on each coupler. TS-1285* has 3.5" dia meter, 0-10-50 W scale and N conn. W/transit case & manual. 5x4.8x7.3, 20 lbs
#URM-120, (TS-1285 etc), used-reparable, $245.00

Dummy Load



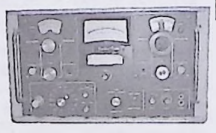
DA-189/GRC Dummy Load, portable 50 ohm unit operates over 600 to 1850 MHz range @ 40 watts max. Output indicated on 3.5" dia meter; "C" input connection. 4x4x10, 9 lb.
#DA-189, Used, $40.00

HP-3586B Voltmeter



HP-3586B FREQUENCY SELECTIVE VOLTMETER, measures tone level, idle channel noise, weighted noise at voice & compare to carrier frequency over 50 Hz to 32.5 Mhz @ 75 ohm input; voice level over 50 Hz to 100 Khz @ 600 ohms. Amplitude + 20 to -130 dBm; resolution to 0.01 dBm. Option 003 measures phase jitter, noise-with-tone, signal-to-noise with tone ratio and single level impulse noise. Push-button control & entry; HP-1B programmable. NA Bell standard. Requires 100/120/220 /240 VAC 48-66 Hz; 7x16.8 x18.4, 62 lbs sh. #HP-3586B, Used-Reparable, $699.00

Freq Selective Voltmeter

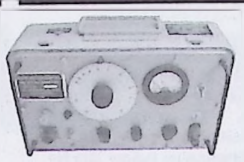


SIERRA 128A FREQUENCY SELECTIVE VOLTMETER for analyzing carrier signals over 10 KHz to 15.1 MHz LSB-AM-USB; utilizes all-transistor frequency lock, Could probably be used as receiver. Separate circuits for MHz and KHz tuning each with controls COARSE, FINE, CURSOR, and input TRACKING SIGNAL BNC jack. Voltmeter has ranges 30 uV to 30 V in 13 steps; DB ranges -90 to +30 DB. Select 75-135-600 ohm termination or 1 MHz calibratior; also Selectivity WIDE-NARROW, Main Tune LOCK-CONT, Audio GAIN, and phone jack. Requires 115 V 60 Hz or 28 VDC 220 ma. May have brown or beige front panel; 12x20x15.5, 52 lbs sh. #SIE-128A, Used-reparable w/ book, $135.00

Voltage Tester

Voltage Tester by Ideal. Tester checks for 110 to 550VAC; 110 to 600VDC; 25 to 60Hz frequency; Indentifies AC or DC; Checks circuit continuity; Determines DC polarity; Finds blown fuses, grounding and leakage. Comes with the test leads featuring safety shield prod tips. 1.5x2.4x6.4, 3 lbs sh. #61-067, Unused, $27.00

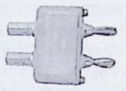
URM-127 Audio Oscillator



AN/URM-127A SOLID-STATE AUDIO OSCILLATOR, 20 Hz to 200 KHz in four bands. Metered output 0-10 Vrms into 500 or 1000 ohms in 7 decade ranges. Design accuracy +/-2%; stability +/-0.5%. Requires 115 VAC 50-70/380-420 Hz. 7.5x13x4.5, 15 lbs sh. #
#URM-127A-CH, Checked, $165.00

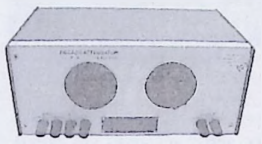
Manual repro for URM-127A, #MM-URM-127A, $21.00
Manual repro for URM-127, #MM-URM-127, $21.00

1K ohm Dummy Load for URM-127 & TS-382 oscillators. Has two banana jacks, two terminal posts, and a BNC female connector. #DA-35, Used, $12.00



UG-514 Adapter Connector for URM-127 & TS-382. Has two banana jacks, two terminal posts, and a BNC female connector. 1 lbs.
#UG-514, Used, $11.00

Audio Attenuator



The Shallco Attenuator Network is a 600 ohm impedance, decade type, unbalanced "T" circuit direct reading unit providing accurate performace in the low radio frequency spectrum, and usable over the range from 0 to 10 MHz. Accuracy +/- (.5% + .03 dB) of setting when checked at 1KHz. Unit has a range of 0 to 110dB in 1 dB steps and is equipped with 3/4" spacing 5 way binding posts. 7.5x12x5.3, 8 lbs sh. #12851-1, Unused, $135.00

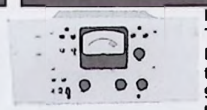
Audio Output Meter

TS-585 OUTPUT METER for audio amps, filters, oscillators. Ranges 0.1-5 mw, -10-+7 dbm; 1-50 mw, 0-+17 dbm; 10-500 mw, +10-+27 dbm; 100-5000 mw +20-+37 dbm read on 3.5" dia meter. Multiplier circuit x0.1, x1, x10, x100 allows input impedances 2.5 to 20000 ohms in 40 steps; 30-10000 Hz response. Less cover and strap. 8.5x11x5.5, 17 lbs sh. #TS-585, Used, $95.00; Manual, partial-reproduction, #MM-TS-585, $12.00

Audio Test Set

MARCONI TF2005 DUAL AUDIO TEST SET, low distortion unit (designed <0.05%) consists of two 20 Hz-20 KHz oscillators, 0.1-111 dB T-attenuator and voltmeter. Output 15 dBm into 600 ohms. Attenuator balanced 75, 150, 600 ohms 1 W max; unbalanced 600 ohms. Voltmeter ranges 1.5, 5, 15, 25 V; dB ranges +10, +20, +24. Requires 115 VAC 50-60 Hz; 7x17x11, 32 lb sh.
Less power cord.
#TF2005, Used Reparable with output, $199.00

Noise Level Meter



Northeast Electronics TTS37BR Noise Level-VU Meter, 1 & 10 db/step attenuators measures level +23 to -95DBM; Noise 13 to -5 DBRN. Input imped 900 & 600 ohm circuits balanced/ unbalanced, terminating or bridged. Sensitivity -80 DBM @ 0 DB. Has large VU-meter with scales -15 to +3 VU-DB, -5 to +13DBRN. 8.8x19x7.5, 15 lbs. #TTS37BR, Used Reparable w/book, $135.00

Light/Sound/Temp. DVM

3 1/2-DIGIT DMM - 20 RANGES - 10A - SOUND LEVEL / LIGHT / HUMIDITY / TEMPERATURE. Automatic polarity function. Low-battery indication. Transistor, diode test, audible continuity test. Overrange protection. Sound level measurements: 35-100dB. Light measurements: up to 20000lux. Humidity measurements: 25%~95% RH. Temperature: -20C to +1300C. DC voltage: 200m/20/600V. AC voltage: 200/600V. DC current: 200μ/200m/10A. Resistance: 200/2k/200k/1M. 4.8x2.4x1.6. Includes manual, test leads, and 9V battery. Drop shipped from Texas. #DVM501, New, Regular Price, 103.95; Our Price, $82.95

Sound Level Meter

Analog Sound Level Meter, 7 sound level ranges: 50 to 126dB, A and C. Weighting: for sound analysis, fast/slow response: allows intermediate and high level measurements, with battery level indication, RCA output jack, Range: up to 126dB, Positions: 60, 70, 80, 90, 100, 110, 120dB, Load impedance: 1kohm min., Distortion: < 2% at 1kHz 0.5V, Microphone: electret condenser microphone, omnidirectional, directionality increases at higher frequencies, Precision: ± 2dB at 144dB, Weighting: A or C, Response: slow or fast, Output signal: max. 1V deviation at 1kHz for the entire range, Requires 9V battery (incl.). Battery test: OK indication between 7 and 10.5V. 6.3" x 2.4" x 1.7", 2 lbs sh. #AVM2050, $46.20

Transmission Test Set

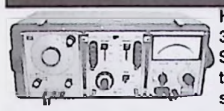
Northeast Electronics TTS-44 Transmission Test Set. A useful device for test and measurement of audio VLF-RF frequencies up to 99.99 KHz. Has a four digit display switchable from Hz to KHz, and an edgewise DB meter. Also, has a small front mounted speaker with level control. Send portion of unit generates frequencies in presets (404,1004, 2804 Hz) and variable ranges (35 - 375 Hz, 375 - 4.5 KHz, 4.5 - 60 KHz) and has an output attenuator from -40 to +10 db in six ranges. Both send and receive have two independant channels with bridged and terminated binding post and phone plug connections. 120VAC, and self contained battery operation (no warranty of battery condition) 12.7 x 15 x 7.5, 33 lbs sh. #TTS-44, Used reparable, $75.00
#MM-TTS-44, Manual Repro for above, $27.00

Thermometer

In/Out Thermometer, Memory for min/max values. Wall-mounted or freestanding device. Simultaneously display in/out. Alert/set button to enter a preset value for in/out temperature. Readout in C or F. Weatherproof sensor probe for outdoor temperature. Temperature range indoor: -10C to +50C (+14F to +122F); outdoor: -50C to +70C (-58F to +158F) Digit height: 0.5". Display size: 1.18" x 1.57". Unit size: 4.3" x 2.75" x 0.78". Requires one AAA battery (included). #TA20, New, $10.99

CHECK OUT OUR LATEST FEATURE ITEMS AT FAIRRADIO.COM

HP Carrier Test Set



HEWLETT PACKARD 3550A CARRIER TEST SET for field testing transmission line and system characteristics. Includes solid-state 204C Oscillator, 493B Voltmeter, and 353A Patch Panel descibed below in transit case. Regulating batteries removed; 8.4x19.3x13.3, 36 lbs sh.
#HP-3550A, Used Reparable, $220.00
#MM-HP-3550A, Manual repro, $35.00

HP-204C AUDIO OSCILLATOR, AC line or rechargeable battery operation. Unit provides frequency from 5 Hz to 1.2 MHz in six overlapping ranges. Delivers an output voltage of >2.5 V-rms (10 mW or +10 DBM) into 600 ohm. Includes Sync Output: > 100mV-rms into <100pf over entire range. 5.1x6.3x8, 9 lbs sh.
#HP-204C, Used Reparable, $130.00
#MM-HP-204C, Manual repro, $17.00

HP-403B AC VOLTMETER, measures 0.001 to 300V-rms in 12 calibrated steps, -60 to +50 DB in 10 DB steps. Response 5 Hz - 2 MHZ. Requires 115/230 VAC and four 6 V 225ma batteries in regulating circuit. 5.1x6.3x8. 9 lbs sh.
#HP-403B-LB, Used Reparable, less batteries, $95
#MM-HP-403B, Manual repro, $17.00

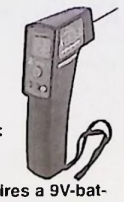
HP-353A Telephone Patch Panel, 50Hz-560Khz. Output impedance 135, 600, and 900 ohms. Step 600 ohm attenuator. 2 pair of matching transformers primary 600 ohm, sec 135, 600, 900 ohms. 5.1x6.3x8, 9 lbs sh. #HP-353A, Used, $40.00

Anemometer

ANEMOMETER. Wind speed measurements in mph, km/h or m/s units. Reads up to 65MPH. Wind speed in Beauford wind scale bar graph. Wind chill display. Temperature display in degrees Celsius or Fahrenheit. Data-hold function. Auto power OFF. LCD backlight. Comes with neckband and 1 x 3V CR2032 battery. 1.5"x.7"x 3.9". #DVM9500, New,$89.95

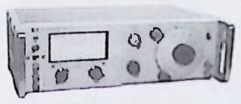
Infared Thermometer

NTE Digital Infrared Thermometer, Pen-style IR thermometer fits easily in a pocket for quick and easy surface temperature measurements. Temperature Range: -27∞ to 428∞F (-33∞ to 220∞C). Accuracy: ±2% of reading or ±2∞C. 0.1∞ resolution for accurate readings. Selectable temperature units F/C. 1:1 Optics (distance-to-spot size ratio). LCD display. Does not use a laser beam. Metal alloy case. Lithium batteries (2 LR44 Included typically provide for 180 hours of continuous operation). Low battery indication. Automatic power OFF after 15 seconds. 1 Year Warranty. Durable pocket clip. #DIT-205, New, $49.50



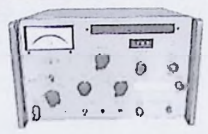
INFRARED THERMOMETER. One-handed operation. Laser technology. Range 0 to 788F. Resolution 1F / 1C. Spectral response 6-14μm. Response time 500ms. Accuracy -20C to +100C : ± 3C; +101C to +420C : ± 3C. Operating temperature 0 to +50C. Power consumption 40mA max. Requires a 9V-battery (not included) 1.7" x 1.6" x 6.7". 2 lbs sh. Drop shipped from Texas. #DVM8869, New,
List Price, $215.00; Our Price, $151.95

Distortion Analyzer



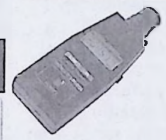
HEWLETT-PACKARD 332A DISTORTION ANALYZER, measurement of total distortion 0.1%-100 % in 7 ranges over 5 Hz to 600 KHz; harmonics to 3 MHz. 1 Khz filter attenuates frequencies below 400 Hz. With AM detector. Fundamental rejection >80 DB. Meter indicates 300 uv to 300 V rms in 13 ranges, 10 DB per range. Requires 115/230 V; 16.8x5 x15.3, 24 lbs sh. #HP-332A,
Used Checked w/ manual, $299.00

HP Wave Analyzer



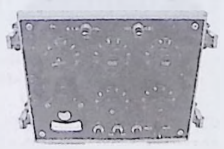
HEWLETT-PACKARD 310A WAVE ANALYZER, a frequency selective voltmeter-receiver covering 1 KHz to 1.5 MHz with bandwidths 200,1000, and 2000 Hz; resolution 200 Hz/div. Modes AFC-Normal-BFO-USB-LSB-AM. Amplitude ranges 10 ux to 100 V full scale, 16 steps. AFC: dynamic hold-in +/-3 KHz min @ 100 KHz; tracking 100 Hz/sec. Has headphone jack and is operable as VLF receiver. Requires 115/230 V 60 Hz; 10.8x16.8 x18.4, 50lb.
#HP-310A, Used-reparable w/ manual, $175.00

Digital Tachometer



RPM-measurements are now safe and accurate. 5-digit LCD displays the exact rpm: 2.5 to 99,999rpm. The last value / max. and min. values are stored automatically. Resolution : 0.05%. Comes with case. Requires 9V battery. Drop shipped from Texas. #DTO6234, New, Regular Price, $99.00: Our Price, $79.95

Wheatstone Bridge



ZM-4 Wheatstone Bridge used to measure DC resistance. Resistance measurement range 1 ohm to 1.011 M ohms +/- 0.15%; As a resistance substitution box it is adjustable in 1 ohm steps from 0-10110 ohms. The current limit of the resistors is 16-500ma depending on setting. Galvanometer indicates balance in test circuit. Requires three "D" batteries. Also 22.5 to 200 VDC for more accurate readings above 1000 ohms. Can be used as a precision resistor substitution box. 5.8x7.3x8.8, 12 lbs
#ZM-4-UR, Used Reparable, $46.;
#ZM-4-UR-L, Used Reparable less galvanometer, $23
#ZM-4-CH, Used Checked, $69.50;
Manual repro, #MM-ZM-4, $17.00

LC Bridges

3 1/2-DIGIT LC BRIDGE. Digital LC meter with 3" LCD display and figure height 21mm. automatic zero indication: high measuring accuracy. Capacitance: 2n/20n/200n /2μ/20μF/200μF. Inductance: 2m/20m/200m/2H. 7.4" x 3.6" x 1.2" 3 lbs sh. With manual, test leads, holster, 9V battery. #DVM6243, New, $62.95

URM-26B Generator

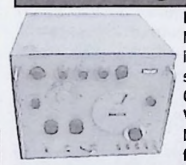
SG-117/URM-26B SIGNAL GENERATOR, 4 to 405 MHz AM-CW - Pulse in six bands. Output 0.1 to 100K uv into 50 ohms. Modulation 400 or 1K Hz 0-50%. External pulse-mod requires positive 40 V-min 50-500 pps; duration 2-40 usec and 70 ohm input impedance. Requires 115 V 50-1000 Hz. Outer case may have small dents. Less front cover. 11.3x14x10.5,
36 lbs sh. #URM-26B, Used Checked, $225.00
Manual repro, #MM-URM-26B, $21.00

Accessories sold only with purchase of URM-26B:
2:1 attenuator, 50 ohms, #CN-315, $11.00
10:1 50 ohm, #CN-316 $13.50
Impedance matcher, #CU-439, $13.50
BNC cords, 6 inch, #BNC-6IN, $3.00

SG1174 Signal Generator

SG-1174/U (AUL 6201B) Signal Generator 3.8 - 7.6 GHz. Internal modulation of CW, pulse, square wave, FM or accepts external modulation. Control complement includes vernier tuning, attenuator, sync multiplier, pulse rate (40-400pps), pulse width (.5-10us), sync delay (3-300us), and FM modulation level. Solid-state design except for 5037 klystron. 50 ohm output, plus sync and sync delay outs; external modulation inputs. 5.7x19x13.7, 54 lbs sh, No manual available. #SG-1174, Used Reparable, $145.00

UHF Signal Generators

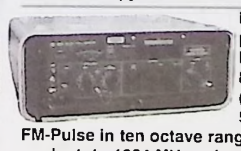


HEWLETT-PACKARD 620B SIGNAL GENERATOR, 7 to 11 Ghz in single band FM, pulse or squarewave modulation. Calibrated output 0.1 uv to 0.224 V into 50 ohms. Also second 0.3 MW uncalibrated output useable for phase locking. Pulse rate 40 to 4000 pps; width 0.5 to 10 usec. Uses 5721 or = klystron. Requires 115/ 230 VAC 50-400 Hz. 13.9x17.5 x17.4; 70 lb. #HP-620B,Used Reparable, $200
Manual repro for above, #MM-HP-620B, $23.00

HP-618C GENERATOR, similar to 620B except 3.8 to 7.6 Ghz; #HP-618C, Used Reparable, $175.00
Manual repro for above, #MM-HP-618C, $20.00

HP-8640B Signal Generator

HEWLETT-PACKARD 8640B RF GENERATOR 500 KHz -512 MHz AM-FM-Pulse in 11 bands read on 7-digit display. Output +19 to -145 dbm (2 V to 0.013 uv); phase-lock FM. Requires 100/120/220/240 VAC 48-440 Hz; 5.5x16.8 x18.8, 53 lbs sh. Used Checked w/manual copy, #HP-8640B-13, $799.00



MILITARY VERSION of popular solid-state HEWLETT-PACKARD 8640B with opt 323 (AN/USM-323). Covers 500 KHz to 512 MHz AM-FM-Pulse in ten octave ranges using 6-digit LED readout; to 1024 MHz using external freq doubler (not available). Output: 0.01 uv to 2 V (-144 to +19 DBM); modulation 400, 1000, 5000 Hz. Pulse: 0.05-5 KHz. Resolution 10 Hz (0.5-4 MHz), 100 Hz (4-64 Mhz), 1 KHz (64-512 MHz). USM-323 does NOT have these features: seventh 1/2 digit, X100 Expand, ext-count input, phase-lock. Mounted in transit case. Requires 103-127/207-242 VAC 48-440 Hz; 7.8x19.5 x22.4, 70 lbs. #USM-323, Used Checked w/book copy, $599.

CALL US AT 419-223-2196 or 227-6573 24 HOUR FAX 419-227-1313

HP Generator

Function Generator has seven decades of range from 0.1 Hz to 1 MHz. Has sine, triangle, square and pulse outputs. Max output voltage of 10V peak open circuit or 5V peak into 600 ohms. Pushbutton range and function selection add convenience to versatility. 10:1 voltage control and seperate pulse output suitale for synchronization or driving TTL logic circuits. Comes with original manual. 10.3x6.2x3.8, 7 lbs sh. #HP-3311A, Used Excellent Checked, $195.00

SG-376 Signal Generator

SG-376 Low Frequency Signal Generator covers 20Hz to 20KHz. Has two variable frequency audio signal generators and two dual-frequency interediate radio frequency (IF) signal generators. The AF and IF signal outputs are independent of each other. Generates two separate AF signals which can be used independently, one at a time, or both can be added for simultaneous use. It also generates four different, unmodulated IF signals which are available independently, one at a time, or in specific pairs simultaneously. 19x12.5x5.3, 18 lbs sh. #SG-376, Used Checked, $260.00

H-P Microwave

HEWLETT-PACKARD, Frequency Meters, 5 lbs. Used:

G532A, 3.85-5.85GHz, $225.00
J532A, 5.3-8.2 GHz, $225.00
P532A, 12.4-18GHz, $225.00
X532B, 8.2-12.4GHz, $225.00
536A, 0.94 - 4.2GHZ, $58.00

Precision Attenuators:
J382A, 0-50dB, $225.00; X382A, 0-50dB, $225.00;

DIRECTIONAL COUPLERS: 2 lbs sh.
G752C, $125, H752C, $145,
H752D, $145, P752C, $115,
X752C, $99, P8747A,$175,
Omega 3315E, $110.00, Waveline 60563, $110,
UG1054/H281A, $110.00

X910B Termination, $23.00

Microwave Wavemeter, 1700 - 2600 MHz, 3.75" X 2", P/O TRC-29. Has BNC connection. No Calibration Charts, (D2X) Used, #SM-D-203123, $19.95 each

Rack Mount Ears

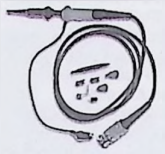
3.5" Rack Mount Ears by Hewlett Packard. With mount screws. #5061-0074, Unused, per set, $15.00

Wire Clips

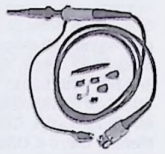
144mm LONG WIRE CLIP FOR CABLE CONNECTION. Suitable for cable and 4mm banana plug. Length is 5.7".
Black color, #CM23B, $2.00
Red color, #CM23R, $2.00

40mm WIRE CLIP. Solder connection. Length is 1.6".
Black color, #CM22B, $1.19; 3 for $2.79
Red color, #CM22R, $1.19; 3 for $2.79

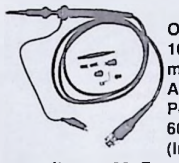
Scope Probes



OSCILLOSCOPE PROBE 250MHz . Complete probe set for measurements up to 250MHz. Attenuation: 1:1 or 1:10. Position x1 - bandwidth: DC to 10MHz, input resistance: 1Mohm (input resistance scope) input capacitance: 46pF + cap. scope. Position x10 - bandwidth: DC to 250MHz, input resistance: 10Mohm (if scope input = 1Mohm), input capacitance: 11pF approx. Cable length 4ft. #PROBE250, New, $43.90



OSCILLOSCOPE PROBE 150MHz. Complete probe set for measurements up to 150MHz. Attenuation: 1:1 or 1:10. Position x1 - bandwidth: DC to 60MHz, input resistance: 1Mohm (input resistance scope) input capacitance: 90pF + cap. scope. Position x10 - bandwidth: DC to 150MHz, input resistance: 10Mohm (if scope input = 1Mohm), input capacitance: 15pF approx. Cable length 3.9ft. #PROBE150, New, $33.90



OSCILLOSCOPE PROBE 100MHz. Complete probe set for measurements up to 100MHz. Attenuation: 1:1 or 1:10. Position x1 - bandwidth: DC to 60MHz, input resistance: 1Mohm (input resistance scope) input capacitance: 90pF + cap. scope. Position x10 - bandwidth: DC to 100MHz, input resistance: 10Mohm (if scope input = 1Mohm), input capacitance: 16pF approx. Cable length 4.6ft. #PROBE100, New, $27.50

INSULATED SCOPE PROBE 60MHz. Complete probe set. Insulated for hand-held equipment. Attenuation: 1:1 or 1:10. Position x1 - bandwidth: DC to 15MHz, input resistance: 1Mohm (input resistance scope), input capacitance: 46pF + cap. scope. Position x10 - bandwidth: DC to 60MHz, input resistance: 10Mohm (if scope input = 1Mohm), input capacitance : 18pF approx. Cable length is 4.6ft. With insulated BNC connector. #PROBE60S, New, $15.90

Alligator Clips

ALLIGATOR CLIP 10A. Solder conn. Length 2.2".
Boot color black, #CM16B, 4 for $2.00; 8 for $3.60
Boot color red, #CM16R, 4 for $2.00; 8 for $3.60

ALLIGATOR CLIP. Solder conn. Length 1.7".
Boot color black, #CM6B, 8 for $3.20; 24 for $8.40
Boot color red, #CM6R, 8 for $3.20; 24 for $8.40

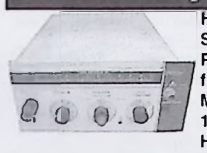
As above but 1.1".
Boot color black, #CM5B, 8 for $3.20; 24 for $8.40
Boot color red, #CM5R, 8 for $3.20; 24 for $8.40

20 amp rated Industrial Alligator clip with spiney contact by Mueller. No insulation. Unused, #AC-1868, $1.25 each; 3 for $3.00

Mueller Gator Clip

Mueller #27 High Quality Alligator Clamps. Rated for 20 amps. #MUE-27, Unused, 2 for $2.50; 10 for $10.00; 100 for $60.00

HP Analyzer Plug-In



HEWLETT-PACKARD 8553B SPECTRUM ANALYZER PLUG -IN for HP-141T mainframe; covers 1 Khz to 110 Mhz in bands 0-11 and 0-110 Mhz. IF bandwidths: 10 Hz to 300 Khz, 1-3 sequence. Scan widths on 10-division CRT: 20 Hz/div to 10 Mhz/div in 18 calibrated steps, 1-2-5 sequence. 4x8.9x13.5, 17 lbs.
#HP-8553B-UR, Used Reparable, $340.00
Manual partial repro, #MM-HP-8553B, $23.00

HP-8552B IF Plug-in for 141T. Features video filtering, recorder outputs and an internal calibration signal to make the spectrum analyzer easier to use. Provides bandwidth/gain selection and detection. Internal calibration standard is -30dBm, 30MHz signal. 16.8x16.4x8.8, 14 lbs sh. #HP-8552B,
Used operates but may need adjustment, $460.00

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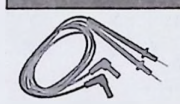
HEWLETT-PACKARD 8445B AUTOMATIC PRESELECTOR. This YIG tuned filter unit is designed for use with the HP-141T Analyzer with the HP-8555A Plug-In. Suppresses harmonic mixing image and multiple responses from 1.8 to 18 GHz. Clean band sweeps of 2, 4, 6, or 8 GHz are possible depending on the band selected. N connections. Less interconnect cable. Requires 100/120/200/240 V 48-440 Hz. 3.5x16.8 x18.4, 25 lbs sh.
#HP-8445B, Used Reparable, $400.00

Test Leads



TEST LEADS. 2 test leads with protection caps. Ratings: 1000V / 15A. Length: 30" / 37". #TLM1, New, $6.95

SET OF TEST LEADS - 2 BANANA PLUGS. 2 test leads (with banana plug) 0.16". Length: 39.4". #TLM2, New, $1.59

SET OF TEST LEADS - BANANA PLUG / BOOTED CROCODILE PLUG. 3 test leads (banana plug 0.16" / booted crocodile plug). Length: 35.4". #TLM3, New, $1.89

SET OF TEST LEADS - 2 HOOKED BANANA PLUGS. 2 test leads (2 hook banana plugs) 0.16". Length: 35.4". #TLM4, New, $1.99

Test Leads with alligator clips. Each test lead is 55" long. Used in conjunction with PSM-6 and other military meters. #MX-1909, Unused, $4.50

Red & black panel jacks f/ above. #J-19, used, $2 per set

Jumper Test Leads

Set with 10 wires 5 colors with booted gator clips. Cable length: 20". Booted alligator clips: 1". #CM12, New, $2.59

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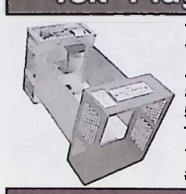
Tektronix Plug-ins

Each of the plug-ins listed below are used reparable.

Part Number: #TEK-(specify model)
1A1 High Gain Wide Band, $52.00
2B67 Time Base, $52.00
3A1 Dual Trace Amplifier, $52.00
3A3 Vertical Dual Trace Differential Unit, $87.00
3A6 Dual Trace Amplifier, $52.00
3A72 Dual Trace Amplifier, $46.00
3B4 Time Base Single Sweep Type, $52.00
3S76 Sampling Dual Trace, $46.00
5A15N Single Trace Amplifier DC-2MHz, $40.00
5A18N Dual Trace Amplifier, $95.00
5A21N Differential Amplifier, $58.00
5A24N Single Trace Amplifier DC-2MHz, $35.00
5A38 Dual Trace, $52.00
5A48 Dual Trace, $69.00
5B10N Time Base / Amplifier, $58.00
5B12N Dual Time Base, $99.00
5B25N Digitizer / Time Base / Amplifier, $115.00
5B40 Time Base, $69.00
5B42 Delaying Time Base, $99.00
5T3 Time Base, $75.00
7A12 Dual Trace Amplifier, $69.00
7A13 Differential Comparator, $145.00
7A15A Amplifier, $69.00
7A16A Amplifier, $115.00
7A18 Dual Trace Amplifier, $145.00
7A19 Amplifier, $145.00
7A22 Differential Amplifier, $175.00
7A24 Dual Trace Amplifier, $115.00
7A26 Dual Trace Amplifier, $115.00
7B50 Time Base, $179.00
7B53A Dual Time Base, $210.00
7B71 Delaying Time Base, $199.00
7B80 Time Base, $145.00
7B92A Dual Time Base, $229.00
7D15 225MHz Counter / Timer, $229.00
10A2 Dual Trace Amp, $58.00
11B1 Time Base, $46.00
72 Dual Trace Amplifier, $52.00
AM-6565/U Amplifier (7A15AN11), $52.00
B Wideband 50mv-20V/cm, $30.00
CA Dual-Trace DC-24 MHz, $46.00
D High Gain DC Differential, $30.00
H Wideband 50mv-20V/cm, $30.00
L Wideband High Gain, $35.00
O Operational Amplifier, $58.00
P Rise Time Test Unit, $30.00
Q Transducer-Strain Guage, $99.00
Z Differential Comparator, $99.00

Tek Plug-in Adapter

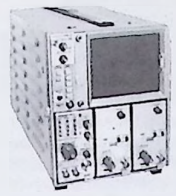


Tektronix type 81 DC-30MHz Vertical Plug-in Adapter. Allows the use of all 1-series and letter-series plug-ins with 580-series oscilloscopes. Tube type version. 12.2x5.9x7.1, 6 lbs sh. #TEK-81, Used, $34.95

Handheld Scope w/ USB

HANDHELD PERSONAL SCOPE WITH USB, Designed by electronics enthusiasts for electronics enthusiasts! Powerful, compact and USB connectivity. The large keyboard and bright LCD makes this unit a breeze to use. 40MHz sampling rate. 0.1mV sensitivity. Ultra fast full auto set up option. High resolution LCD 192x112 pixels. LCD backlight. Data or bitmap download to PC. USB PC Connection real-time and screen capture. Includes: Worldwide charging adaptor, Insulated measurement probe x1 / x10: PROBE60S, USB cable, and Handheld Personal Scope. Drop shipped from Texas. #HPS50, New, $295.95

TEK 7603N11S



AN/USM-281C (Tektronix 7603-N11S) OSCILLOSCOPE, modern, versatile 7000-Series scope with large 8 x 10 cm display and at least 65 Mhz response. Includes two AM-6565 (7A15AN11) single-trace and one TD-1085 (7B53AN11) dual time base plug-ins plus the 100 Mhz mainframe accepts standard Tek 7000-Series plug-ins. Vertical deflection 5 mV - 10 V/div in 11 calibrated steps, 1-2-5 sequence; vernier to 25 V/div. Sweeps: Normal, Intensified Delay, Delayed and Mixed. Rate 0.05 uS - 5 S/div in 25 steps, 1-2-5 sequence; 5 NS rate using x10 magnifier. Delayed rate 0.05 uS to 0.5 S/div in 22 steps. Requires 100-120/200-240 VAC 48-440 Hz. With book; 11.5x9.7x25.2, 52 lbs.
#USM-281C-UR, Used-Reparable, $429.00
#USM-281C-CH, Checked, $529.00
Manual repro f/ USM-281C only, #MM-USM-281C,$40

ADAPTERS for USM-281C/TEK7603:
ADAPTER BNC (f) - UHF (m) #103-0015, $3.50
ADAPTER BNC (m) -UHF (f) #103-0032, $3.50
ADAPTER BNC (m) to post, #103-0033, $3.50
T-CONNECTOR, BNC (f-m-f) #103-0030, $4.00

Personal Scope *Special*

PERSONAL SCOPE 10MS/s, Complete portable oscilloscope the size and the cost of a good multimeter. Ideal for hobby, service, automotive and development purposes. Suitable for measurements on audio equipment, line voltage applications, digital signals, all kind of sensors, signal analysis in automotive applications, car stereo, etc its full auto setup function, makes measuring waveforms very easy. 10MHz sampling rate. 0.1mV sensitivity. Up to 2MHz analog bandwidth. 5mV to 20V/div in 12 steps. 200ns to 1hour/div time base in 32 steps. Full auto set up. Trigger mode: run, normal, once, roll, slope +/-. X and Y position signal shift. DVM readout with x10 option. Audio power calculation (rms and peak). dBm, dBV, DC, rms ... measurements, signal markers for Volt and Time. Frequency readout (through markers). Recorder function (roll mode). Signal storage (2 memories). LCD: 128x64 pixels / high-contrast. Requires five 1.5V AA battery or Nicd / NIMH (not incl.). Includes battery charging circuit. Drop shipped from Texas. #HPS10, New,
List Price, $229.90; Our Price, $159.99

TEK 500 Modules / Plug-ins

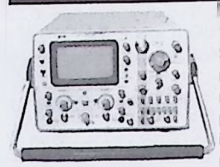
The TEK TM503 Power Module benchtop mainframe is a three wide power module compatible with all TM500 Plug-ins. It provides unregulated DCand AC supplies and non-dedicated power transistors for plug-in usage. 17x8.35.9, 14 lbs sh. #TM503, $145
Four Wide Power Module, #TM-504, $169.00
Five Wide Portable w/ covers, #TM-515, $195.00

Part Number for plug-ins below:
#TEK-(specify model)
AM502 Differential Amplifier, $225.00
AM503 Current Probe Amp (no probe included), $210
DC501 Counter 110 MHz, $229.00
DC502 (opt. 1) Counter, $229.00
DC503 Universal Counter, $149.00
DC504 Counter / Timer, $149.00
DM501 Digital Multimeter, $115.00
DM502 Digital Multimeter, $175.00
FG501 Function Generator, $149.00
PG505 Pulse Generator, $259.00
PS501 Power Supply, $229.00
SG503 Leveled Sine Wave Generator, $575.00
TG501 Time Mark Generator, $575.00

** * * * TEK 5000 Plug-in * * * **

FG5010 Programmable Function Generator, $999

275 MHz Scope

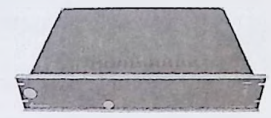


HEWLETT-PACKARD 1720A PORTABLE SCOPE, DC to 275 MHz response with dual channels, large 6x10 CM display, and selectable input impedance 50 ohms or 1 meg-ohm. Modes Channel A or B, A+B, A & B alternating, A & B chop. Deflection: 5 mv-5 V/div in 10 calibrated steps, 1-2-5 sequence plus vernier to 12.5 V. Sweep: 10 ns-0.2 s/ div in 23 steps, vernier to 0.5 sec and X10 magnifier. Trigger normal, auto or single. Delay sweep: 10 ns-0.1 s/div in 22 steps, vernier to 0.25 sec; delay time varies 0.02 us-2 sec. Calibrator 1 KHz squarewave, 1 V p-p. Requires 115/230 VAC 50-440 Hz, 38 lbs.
#HP-1720A-UR, Used Reparable, $490.00
#HP-1720A-CH, Checked, $635.00

Similar except DC-150MHz, reparable, #HP-1710A,$415
Similar except DC-100MHz, reparable, #HP-1741A,$360

Manual repro for HP-1710A, #MM-HP-1710A, $40
Manual repro for HP-1720A, #MM-HP-1720A, $40

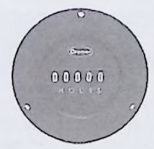
Timecode Display



Remote Large 2" LED IRIG-B Timecode Display 2U by Datachron. 8 digit. Two BNC jacks on the back marked "Code In" and "Code Out". 19x14x3.6, 12 lbs sh. #3700-144, Used, $149.50

As above except six digit display. 19x14x3.6, 12 lbs sh. #3700-143, Used, $124.95

Running Time Ind.



3 1/2" Round Running Time Meter by Cramer Division Type 635EAA. Requires 440VAC 60Hz at 2.7 watts. Reads upto 99,999 hours. Reads in one hour increments only. Does not read in tenths. 3/10 RPH. 3" depth. Comes with mounting hardware.
#RTM-440, Unused, $21.00

12VDC Counter

6-Digit Mechanical Counter 12 VDC nonresettable; black numerals on white. Rear mount flange; o/a 1.3"Hx1.5" Wx2.5"D, 1 lb. #E07B10DC12, New $4.95

KW Hour Meters

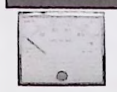
KiloWattHour meters 240 volt 60 Hz single phase 4 dial. Monitor power to your out buildings or campground. Removed from use, good condition. An interesting item to build into a lamp base. You could probably modify it to make in run on the lamp current. 8 lbs sh. Used.

Duncan Form 2S, Rr 138 8/9, 240 v TA 30, Kh 7.2 3W. #200CL-MS, $35.00

Duncan MQ-S Form 2S Rr 83 1/3 240 v 60 hz 3W TA 30 12 kh. #200CL-MQ-S,$34

EMAIL US YOUR INQUIRIES AT FAIRRADIO@FAIRRADIO.COM

DC Voltmeters



Full Scale = 150 MV, Scale reads 0-75 Volts DC and 0-150 Amps. 2.6" x 2.3", #1921-M1031, Unused, $9.00

Analog Panel Meter, 0-5 VDC, Scale reads 0-75 watts. 4.6" x 4.1", #251-4, New, $16.50

FS=5 VDC, scale 0-1.5 A & 0-300 MA; 2.5" rd. #VDC-5, Used, $7.00

ES=5VDC, 5-0-5/10-0-10maDC, 3.5" rd, #S00-5-0-5V, Used, $18.00

DC VOLT DIGITAL PANEL METER LCD, Capable of ranges 200mVDC, 20VDC, 200VDC, and 500VDC when used with precision resistor kit #PM/RES listed below. Dimensions 2.7" x 1.7". 3 1/2-digit LCD. Requires 7 - 12V DC. Input sensitivity 200mV FS. Input Impedance >100Mohm. Meter does NOT share common ground. Most people power with a 9 volt battery. Accuracy ± 0.5%. #PMLCDL, New, $7.90

Precision Resistor Kit for use with the meter #PMLCDL. 1/2 watt 1% tolerance resistors include 9.9M, 9.99M, 9.999M, 100K, 10K, and 1K ohm. #PM/RES, New, $1.80

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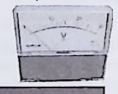
0 - 150VDC by Westinghouse. 5" round black face meter, #1101422, Used, $14.00

Analog DC Volt Panel Meters, New,$9.00 ea



15V, 2.4"x1.9", #AVM6015
15V, 2.8"x2.4", #AVM7015
30V, 2.4"x1.9", #AVM6030
30V, 2.8"x2.4", #AVM7030

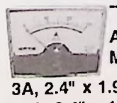
DC Amps

DC AMMETER -15 MV - 0 - +50 MV. 4.5 Inch dia. mounts in 3 5/8 inch hole. Scales -150 to 500, -30 to 100, -15 to 50, -3 to 10. 3 lbs sh. #400R150B, Unused, $8.00

EDGEWISE METER 0-8 A DC; 1.9"W x 3/4"H; #D2588, $9.50

0-150ADC & 0-75VDC Scale; FS=150MV; 2.7" x 2.3", #1921-M1031, Unused, $9.00

0-15 ADC 3.5" rd black, No shunt required. #ADC-15, $10



Analog DC Current Panel Meters, New, $9.00 ea.
3A, 2.4" x 1.9", #AIM603000
10A, 2.4" x 1.9", #AIM6010A
5A, 2.4" x 1.9", #AIM605000
5A, 2.8" x 2.4", #AIM705000
30A, 2.4" x 1.9", #AIM6030A,$10.95 ea

AC Voltmeters

VTVM Meter 1-10 VAC scale expanded with 3.5 V centered; also 0-20 DB. 4.5" rd. #0899, Unused, $9.50

0-250 VAC, 2 1/2" rd, White Face. Non-Linear. 60-400 CPS. Made by Phaostron. #VAC-250, Unused, $9.00

Analog AC Voltage Panel Meters, New, $9.00 ea.
150V, 2.4"x1.9", #AVM60150
300V, 2.4"x1.9", #AVM60300

DC Milliamps

FS=1maDC, Marked "GO" in Green and "NO GO" in Red. 3.5" Round, Mounts in 2 3/4" hole. 2 lbs sh. #GONOGO-1madc, Unused, $8.00

FS=1maDC, Marked Amperes, Volts, and AC. 0-5/120/30 scale. 3.6"W x 3.3"H, Mounts in 2 1/4" hole. #2168, Unused, $21.00

0-1 madc Full Scale Indicated. Meter face reads 40 to 80 Hz. This is not a frequency meter. 3.5"W x 3"H. Mfg by Crompton. #AA-EXXH, Unused, $8

Analog Panel Meter, 0-1 MADC, 2.4" x 1.9", #AIM601, New, $9.00

ES=1maDC, 100-0-100 scale, 2.5" RD, A&M Instruments. #265-097, Unused, $16.50

1.5MADC Movement Audio Output Meter for receiver. 0-2VAC scale non-linear. Works with SP-600. 2 1/4" rd white face. #MA-1.5, Used, $27.00

0-100 madc. 0-10 Scale. 1.25" Round. White face. #MA-100-1, Used, $6.95

0-100 madc. 3.5" Round, 3" Mounting hole. White face. Wacline mfg. #MA-100-2, Unused, $9.

0-200 madc, 2 1/2" Round, Black face, Made by Sangamo. #MA-200, Used, $9.00

100-0-100 MA DC, 3 1/2" rd, #MA-100-ES, Used, $10.00

Analog DC Current Panel Meters, New, $9.00 ea.
50mA, 2.4"x1.9", #AIM6050
100mA, 2.4"x1.9",#AIM60100
500mA, 2.4"x1.9", #AIM60500

Shunts

FS=50mv:
30 amps, 1.3x2x1.7, #SH-30, Used, $8

High Current Weston DC Generator Shunts. 50mv. Used, minor corrosion.
500 amp 3 lbs. #SH-500, $35.00
800 amp 4 lbs, #SH-800, $35.00
1000 amp 9 lbs, #SH-1000, $46.00

Instrument Shunt, 1 amp at 50MV; 2 amps at 100MV. #0042261, $6

DC Micro Amps

0-50UADC, Blank Scale, 2.4" Square. Gray face. Requires 2.125" diameter mounting hole. Made in Japan, #UA-50, Unused, $6.77

FS=50 UA DC, scale -30 -+150 w/ "O" center; 2.5" rd sealed. #TRC30150, $6

Analog Panel Meter, 0-50 UADC, 2.4" x 1.9", #AIM60005, New, $9.00

ES=100 UADC, 3.5" rd, Scale -10 to +10 %, Black face, #UA-100-ES-3.5, Used, $8.50

20-0-100 uadc 2.5" Round panel meter by Simpson. Marked Galvanometer. #20-0-100, Unused, $11.00

0-200 UADC 2.5" round. White face. Used, #UA-200, $13.00

AC Amps

FS = 5 amps AC; transformer required for indicated scale (not available):
0-150 A, 2.5" dia. #ACA-150, $11.00

0-100-200 AC AMPS FS=5 A GE-YOKO 2.5" sq. #ACA-200, $12.50

Various Meters

------ *DB METER* ------

-4-0-+6 DB 1 MW, FS= 1 MA; 2.5" rd sealed, #DBM-4-6, Used, $5.50

DB METER, -7-0-+7 DB, FS=501.5 ua; 3.5" rd, black face sealed. #DBM-7-7, Unused, $5.00

- - *METER ASSORTMENT* - -

Seven U.S. mfg meters 2 1/2" x 3 1/2" - up; mixed odd scales, FS-100 ua and up-- no choice; 3 lbs sh. #MTR-ASST, $14.00

- *I-70 B TUNING METERS* -

"Tune for Max" meter used in many WW-2 radio remote control boxes such as BC-311, BC-434 & C-4/ARN-7; 2.1x2.1 x1.6, 1 lbs. #I-70B-TM, Used, $14.00

- *ART-13 PLATE METERS* -

Original PA Plate Panel Meter from the ART-13 transmitter. Full Scale equals 1maDC. 2 1/2" round. Black face. Used condition, #PMTR-ART-13, $29

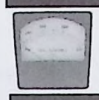
- *TV-2 PANEL METERS* -

Filament, #F-TV-2, Unused, $58.00

Grid Bias, #GB-TV-2, Used, $58.00

Screen, #S-TV-2, Used, $58.00

RF Ammeter



0-500 RFMA, 4" Square, white face, Made by Weston. #RF-500, Used, $12.00

RF Thermocouple

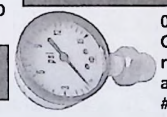
RF Thermocouple ARC-7499 as used in RE-2/BC442 ARC-5 antenna relay. Bridge type 19.5 +/- 1.5 mv 750 ma. Use for replacement on experiments. #ARC-7499, Unused, $7.00

Frequency Meter

5 Reed Frequency Meter 380 - 420 Cycles. 100-130 Volts. 1 3/4" diameter. #15-FH-400, Used, $14

60 / 400 HZ REED FREQUENCY METER two reeds--one 60 Hz, one 400 Hz-- vibrate when freq approached. Use a 20K ohm resistor for 115V operation. 2" dia; fit 1.5" hole. #FM-TS382, used, $15.95

Pressure Gauges



0 to 15 PSI Pressure Gauge by USG. 2.1" round with 1/8" fitting and brass coupling. #PS-15, Used, $11.00

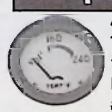
0-60 PSIG & 0-4 KG/CM; 2.1" rd w/ 1/2" dia fitting. #PG-60PSI, New, $7.50

0-300 PSI Drive Oil Pressure Gauge, Made by General Motors, 2" rd. Black face. #25025305, Unused with clamp no sending unit, $9.99

PRESSURE REGULATOR 0 - 500 PSI. Seems to be a quality unit, but no mfg. or country of origin on the unit. 2.5x1.8 x3.3, 2 lb sh. #PR-500, $7.00

0-6000 PSI 4" dia 270 degree scale; 7/16"di fitting. O/a 6"dia. #M6000-PSI, Unused, $19.00

Temperature Gauge



40 - 240 degree Temperature Gauge. 2 1/4" diameter. White face. Requires external sensor. #TEMP-240, $7.50

Galvanometer

Used in test bridges to indicate slight variations in current; 1 mm increment. LEEDS & NORTHROP 10-0-10 scale, sens 0.1 ua/mm. CDRX 10K ohms; 500 system res. Period 4 sec; w/ Balance "lock". Behind panel: 4"D x 1" dia; front 3"H. #18876, New, $35.00

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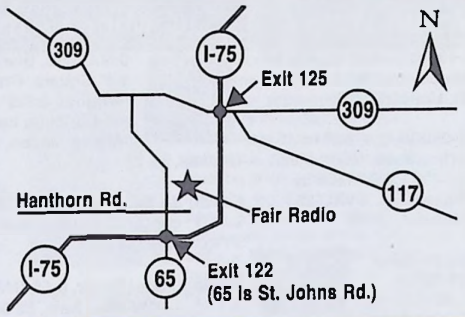

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PERMIT NO. 2

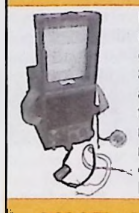
Mine Detector

British 4A Mine Detector, in original wooden box of issue. The detector is supplied in a number of separate main components, and includes a specialized padded webbing pack (actually a Signals Satchel No 6) for carrying the power supply and linkages, set of rubber and webbing headphones, a black metal telescopic handle, and a switch unit which fits on the left hand shoulder strap when being used. The remainder of the box carries the marker ruler, a black bakelite test unit marked 'CT Units, Search coil alignments, a storage tin and a replacement oscillator. A brass plate on the power unit states: Detonators Mine No 4 ZA27932. 4 page instruction book included. 23.5x14.1x12.6, 65 lbs sh., #MINE-BRIT-4, As Found, $195.00

Telephone Test Set

I-142/PTM-6 Telephone Test Set. Measures characteristics of telephone and related equipment including these operations. 1. Sound Source for mics and receivers; 2. Efficiency test for mics and receivers; 3. Capacitor test for leakage resistance; 4. Generator test; 5. Ringer test; 6. Insulation test; 7. Dial test indicating percent of pulse period; 8. Continuity test; 9. Instrument tests such as 600 ohm circuit for sound powered equipment; 24v DC-AC res circuit for common battery phones; inpedance matching circuits for carbon and magnetic mics and receivers. Meter has scales -10 to +6 db and 0-100VDC. Requires external batteries for 3, 12, 24, and 135 VDC. Batteries not available. 19x12x 9, 54 lbs sh. #I-142, Unused, $250

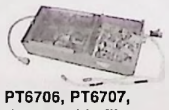
Telephone Repeater



EE-89 Telephone Repeater originally used to increase the telephone signal over a longer distance. A single tube 3Q5 amplifier provides amplification and a hybrid coil sends out the amplified signal in both directions. Power required 90VDC and 1.5 VDC. Includes monitor headphone type element (various types) 7500 ohms. 9.5x8x6.5, 10 lbs sh. #EE-89. Used, $45.00

UHF VHF PA Module

UHF 225-400Mhz amplifier module from ITT transmitter produces 10 watts into 50 ohms. Amplifier is in cast aluminum box with metal covers. Five transistor driver amplifiers and 3 two transistor amplifiers with combiners using these TRW transistors: 8/PT-6702, 2/PT-6705, PT6656. Power required 20VDC. Also included is a 225-400 Mhz tuneable filter that is used between the driver and power amplifier section. Includes schematic. 11x4.8x2.5, 6 lbs sh. #80061108, $36



Similar to above except VHF 116-150Mhz amplifier module 5 transistor amplifier using one each of these TRW transistors: PT6705, PT6706, PT6707, PT6708, & PT6709. Has 118 - 150 Mhz tuneable filter. Includes schematic. 11x4.8x2.5, 6 lbs sh. #80041109, $35

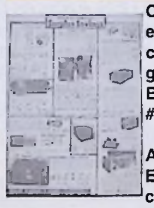
Phase Inverter

Wide-Band Phase Inverter / Isolator. Input is coupled to a ferrite transformer and there is no common connection between the input and output which uses BNC connectors. I cannot find any specifics, but it seems to operate from about 50Khz to 3Mhz at a pretty constant level. Includes phase inverter and 10 inch BNC cable. 3.5 x 1.5 x 1.75, #98821, Unused, $12

Broadband Antenna

TCI 651T 2-30Mhz 400W PEP Broadband Omnidirectional Portable Antenna. This consists of two fan delta curtains with a dual balun at the top of the aluminum tilt-up mast. Impedance 50 ohms, VSWR 1.5:1 max. Mast height 27.5 ft. Designed to withstand 100 mph wind, no ice. Erection time 1 hour by 4 men. Space required min 55 x 55 ft. Kit has mast section, gin pole, guys, antenna wire, stakes, base plate, and balun. Shipped in boxes of 80lbs, 110lbs, and 35lbs. #TCI-651T, Used Excellent, $650

Vintage Catalogs



Compilation of Flyers from the early and mid 50's. Our earliest catalogs we were able to find. A great resource of information. Black & white copy. 48 pages. #CAT-4757, $19.95

As above except comb bound. Each comb bound catalog has a clear plastic cover for the front and back. This comb binding allows it to lie flat. #CB-CAT-4757, $27.50

A collection of Fair Radio catalogs from the past. Black and white copies. Set includes: 1958 catalog, 1965 catalog, 1975 catalog, 1985 catalog, and the 1995 catalog. This assortment of catalogs gives you a great sampling of vintage military surplus from the past. 206 pages. #CAT-COLLECTION-1, $24.95

As above except comb bound. #CB-CAT-COLLECTION-1, $32.95

Field Wire

One mile of Field Telephone Wire WD-1/TT two twisted, individually insulated. Also good for 70 volt line PA systems. Four tinned-copper strands and three galvanized-steel strands. Intended for use with EE-8, TA-43, TA-312 and similar field phones. 1 mile of wire on a spool, 53 lbs sh. #WD-1, Unused, $400.00

HF Exciter

HARIS RF-1310 HF EXCITER, micro-processor controlled set produces 100 mw RF output over 0.4 to 29.9999 Mhz AM-USB-LSB-CW in 10 Hz increments; provision for 100 preset channels. LED readouts & function + signal meter. Stability 1 pp 10 MM/day using 1 Mhz standard. Requires 115/230 VAC 48-63 Hz; 7.5x19x22, 45 lbs shipping. #RF-1310, Used-Excellent. $1,495.00 each

Crystal Book

The Voice Of The Crystal by H. P. Friedrichs, How to build working radio receiver components entirely from scratch. Practical information on the fabrication of electronic components suitable for use in building crystal radio sets. Basic theory and simple analysis is combined with dozens of examples of historical practice, work by contemporary experimenters, and construction details for many instruments fabricated by the author himself. Inside are discussions and plans for three different homemade headphones, (including one fabricated from cigarette lighter parts,) detectors, fixed capacitors, a rotary variable condenser, single layer, spider web and basket coils, and a precision double-slider coil. Throughout, the author shares his thinking and practical experience in the construction of these devices. The Voice Of The Crystal is profusely illustrated, containing well over 120 photos and hand-prepared illustrations. 185 pages. #3099, $14.95

Mini Table Vise

Mini Table Vise with Standard Head. Has a metal jaws with a max. opening of 1 1/2". Rubber suction base. Ideal for precision work. 3.3x2.6 x2.6, 2lbs sh. #VTTV3N, New, $3.90